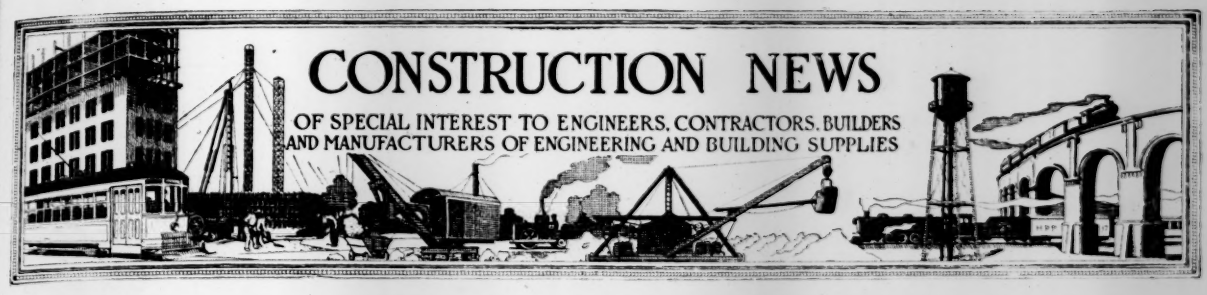
CONSTRUCTION NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

PROPOSALS

"For Proposals Advertised see the pages immediately following the Construction News Section."

WATERWORKS

Bids Close		See Eng. News-Record
July 21	Eagle Rock, Cal.	July 10
July 21	Hinckley, Minn.	July 10
July 22	Ashland, O.	July 10
	Adv. July 10 and 17.	
July 24	Ashland, Ky.	July 10
	Adv. July 10 and 17.	
July 25	Akron, O.	July 3
	Adv. July 3.	
July 25	Parkersburg, W. Va.	July 17
July 25	Clarinda, Ia.	July 17
July 28	Montevideo, Minn.	July 17
July 31	Warsaw, N. C.	July 17
Aug. 1	Litchfield, Minn.	July 3
Aug. 1	Akron, O.	July 17
	Adv. July 17.	
Aug. 5	Zebulon, N. C.	July 17

SEWERS

July 22	Bradley, Ill.	July 10
July 22	Westmont, N. J.	July 17
July 23	Michigan.	July 17
July 24	Harrison, Ont.	July 10
July 24	Corning, Ia.	July 17
July 25	Milan, Mo.	July 10
July 28	New Bethlehem, Pa.	July 17
	Adv. July 17.	
July 29	Phœnix, Ariz.	July 17
July 29	Wamego, Kan.	July 17
July 29	Kings Park, N. Y.	July 17
July 31	Newton, Mass.	July 17
Aug. 2	Lincoln, Neb.	July 17
Aug. 4	Idabel, Okla.	July 17
Aug. 4	Birmingham, Ala.	July 17
Aug. 5	Wakefield, Neb.	July 10
Aug. 19	Kansas City, Mo.	July 3
	Adv. July 3 to 17.	

BRIDGES

July 22	Walker, Minn.	July 10
July 24	Beaufort, S. C.	July 10
July 25	Livingston, Mont.	July 10
July 25	Toston, Mont.	July 10
July 28	San Diego, Cal.	July 17
July 29	Jacksonville, Fla.	July 3
Aug. 4	Little Rock, Ark.	July 3
Aug. 7	Marion, Ark.	July 17
Aug. 19	Statesboro, Ga.	July 3
Aug. 20	Swainsboro, Ga.	July 3

STREETS AND ROADS

July 21	Burbank, O.	July 10
July 21	Welland, Ont.	July 10
July 21	Lewiston, Idaho.	July 17
July 21	South Glen Falls, N. Y.	July 17
	Adv. July 17.	
July 21	Norfolk, Va.	July 17
	Adv. July 10 and 17.	
July 21	Trenton, N. J.	July 17
July 21	New York.	July 17
July 21	Duluth, Minn.	July 17
July 21	Bayboro, N. C.	July 17
July 21	St. Paul, Minn.	July 17
July 21	Albany, N. Y.	July 17
July 22	Newton, N. C.	July 17
July 22	Greenspring, O.	July 17
	Adv. July 17.	
July 22	Wisconsin.	July 17
July 22	Rome, Ga.	July 3
July 22	New York	July 10
	Adv. July 10 and 17.	
July 22	Michigan	July 17
July 22	Jersey City, N. J.	July 17
July 22	Ottawa, Ont.	July 17
July 22	Wynne, Ark.	July 17
July 22	Seekonk, Mass.	July 17
July 23	Staten Island, N. Y.	July 17
July 23	Illinois.	July 17
	Adv. July 17.	
July 23	Bethany, Mo.	July 10
	Adv. July 10 and 17.	
July 23	Quebec	July 10
July 23	Chicago, Ill.	July 17
July 24	North Bergen, N. J.	July 17
July 24	Marion, Ark.	July 17
July 24	Louisiana.	July 17
July 24	Grand Haven, Mich.	July 17
July 25	Danbury, Conn.	July 17
July 25	St. Louis, Mo.	June 26
July 25	Kent, O.	July 3
	Adv. July 3.	
July 25	Jersey City, N. J.	July 10
July 25	Osceola, Ark.	July 17
	Adv. July 17.	
July 25	Salt Lake City, Utah.	July 17
July 26	St. Joseph, Mo.	July 10
July 26	Marshall, Ark.	July 17
July 28	Junction City, Kan.	July 10
July 28	Kalamazoo, Mich.	July 17
	Adv. July 17.	
July 29	Columbuh, O.	July 17
July 29	Pennsylvania	July 10
	Adv. July 10 and 17.	
July 29	New York	July 10
	Adv. July 10 and 17.	
July 29	Fayetteville, N. C.	July 17
	Adv. July 17.	
July 29	Tecumseh, Neb.	July 17
July 30	California	June 19
July 30	Callitizen, Pa.	July 17
	Adv. July 17.	
Aug. 4	Birmingham, Ala.	July 17
Aug. 4	David City, Neb.	July 17
Aug. 4	Huntington, W. Va.	July 17
Aug. 4	Fremont, Neb.	July 17
Aug. 4	Seneca, Kan.	July 17
Aug. 5	New York, N. Y.	July 17
	Adv. July 17.	
Aug. 5	Lexington, N. C.	July 17
	Adv. July 17.	
Aug. 6	Delaware.	July 17
	Adv. July 17.	
Aug. 6	Arkansas.	July 17
	Adv. July 17.	
Aug. 12	Meadville, Pa.	July 17
	Adv. July 17.	
Aug. 12	Washington, N. C.	July 17
Aug. 12	Albany, N. Y.	July 17
	Adv. July 17.	
Aug. 15	Farmington, Utah.	July 17
Aug. 16	St. Albans, W. Va.	July 17
	Adv. July 17.	
Aug. 18	Walnut Ridge, Ark.	July 17
	Adv. July 17.	
Aug. 24	Denver, Colo.	July 10

EXCAVATION AND DREDGING

July 20	Worcester, Mass.	July 17
July 21	Pickering, Ont.	July 17
July 22	Jersey City, N. J.	July 17
July 23	Lynn, Mass.	July 17
July 24	Three Rivers, Quebec	July 17
July 28	Alamosa, Colo.	July 17
July 30	New Westminster, B. C.	July 17
Aug. 6	Kenton, O.	July 3

INDUSTRIAL WORKS

July 21	Detroit, Mich.	July 17
Aug. 1	Duluth, Minn.	June 26
Aug. 1	Hastings, Minn.	May 15

BUILDINGS

July 21	Wellington, Kan.	July 10
July 21	Clintonville, Wis.	July 17
July 21	Fall View, Ont.	July 17
July 21	East Moline, Ill.	July 17
July 21	West Montreal, Que.	July 17
July 21	Toronto, Ont.	July 17
July 21	Detroit, Mich.	July 17
July 22	Detroit, Mich.	July 10
July 23	Rock Hill, S. C.	July 10
July 23	Montmatre, Sask.	July 3
July 23	Lorain, O.	June 26
July 23	Mechanicsburg, O.	July 3
July 24	Winona, Minn.	July 3
July 24	Minneapolis, Minn.	July 3
July 24	Bemidji, Minn.	July 3
July 24	Ithica, N. Y.	July 17
	Adv. July 17.	
July 24	Pontiac, Mich.	July 17
July 24	Morris, Minn.	July 17
July 25	Salt Lake City, Utah.	July 10
July 25	Milford, Utah.	July 17
July 25	Toronto, Ont.	July 17
July 28	Murray, Utah	July 10
July 28	Montreal, Que.	July 10
July 28	Shawenegan Falls, Que.	July 10
July 28	Woodstock, Ont.	July 10
July 28	Cap de la Madeleine, Que.	July 10
July 29	Utica, N. Y.	July 3
	Adv. June 26 and July 3.	
July 29	Aurora, Minn.	July 17
July 29	Omaha, Neb.	July 10
July 30	Austin, Minn.	June 26
July 30	Two Rivers, Wis.	July 17
July 31	Lincoln, Neb.	July 10
July 31	New Philadelphia, O.	July 17
July 31	Grand Rapids, Mich.	July 17
	Adv. July 17.	
Aug. 1	Vinita, Okla.	July 17
Sept. 1	Omaha, Neb.	July 17
Aug. 1	Gastonia, N. C.	June 26
Aug. 1	Kenosha, Wis.	May 15
Aug. 1	Duluth, Minn.	July 10
Aug. 1	Virginia, Minn.	June 19
Aug. 1	Duluth, Minn.	July 3
Aug. 5	Willmar, Minn.	July 3
Aug. 5	Toms River, N. J.	July 17
Aug. 15	Casper, Wyo.	July 10
Aug. 15	New Bedford, Mass.	July 10
Aug. 15	Omaha, Neb.	July 10
Aug. 24	St. Paul, Minn.	July 3

FEDERAL GOVERNMENT WORK

July 21	Cable—Buffalo, N. Y.	July 17
	Adv. July 17.	
July 21	Dredging—New York, N. Y.	June 26
	Adv. June 26 to July 17.	
July 21	Dredging—Savannah, Ga.	June 26
	Adv. June 26 to July 17.	
July 21	Dredging—Baltimore, Md.	June 26
	Adv. June 26 to July 17.	
July 22	Dredging—Sault Ste Marie, Mich.	June 26
	Adv. June 26 to July 17.	
July 22	Post Office — Andalusia, Ala.	June 26
July 23	Cottage—Sorrento, Idaho.	June 26
July 23	Bridges—Leupp, Ariz.	—June 26
July 23	Removing Wreck — New York, N. Y.	June 26
	Adv. June 26 to July 17.	
July 24	Jetty—Jacksonville, Fla.	June 26
	Adv. June 26 to July 17.	
July 24	Coal—Jacksonville, Fla.	June 26
	Adv. June 26 to July 17.	
July 24	Chimney—Roseback, N. Y.	July 17
	Adv. July 17.	
July 24	Boiler, etc.—Matoon, Ill.	July 17
	Adv. July 17.	
July 25	Dredging — Philadelphia, Pa.	June 26
	Adv. June 26 to July 17.	
July 25	Post Office—Dawson, Ga.	July 10
July 25	Mechanical Equipment — Stapleton, N. Y.	July 10
	Adv. July 10.	
July 25	Kitchen and Mess Hall—Stapleton, N. Y.	July 10
July 28	Stone—Cincinnati, O.	July 3
	Adv. July 3 to 17.	

Bids Close		See Eng. News-Record
July 28	Dredging and Filling—San Juan, P. R. ..... Adv. July 3 to 17.	July 3
July 29	Crib—Chicago, Ill. ..... Adv. July 10 and 17.	July 10
July 30	Heating Apparatus — St. Augustine, Fla.	July 10
July 30	Dredging—New York, N. Y. Adv. July 10 and 17.	July 10
July 30	Steel Sash—Spec. 3914—South Charleston, W. Va. Adv. July 17.	July 17
July 31	Boat House, Wharf and Boat Basin — Galveston, Tex.	July 10
July 31	Remodeling Elevator—Providence, R. I. ..... Adv. July 10.	July 10
July 31	Storehouse — Wilmington, Del. ..... Adv. July 3.	July 3
July 31	Rubble Mound Protection, etc.—Buffalo, N. Y. ..... Adv. July 10 and 17.	July 10
Aug. 1	Dredging, Wharf and Retaining Wall — Boston, Mass	July 10
Aug. 1	Lock and Dam—Cincinnati, O. ..... Adv. July 10 and 17.	July 10
Aug. 1	Material and Labor—San Francisco, Cal. ..... Adv. July 17.	July 17
Aug. 2	Dredging and Rock Removal—Jacksonville, Fla. Adv. July 10 and 17.	July 10
Aug. 4	Sewers—Washington, D. C. Adv. July 10 and 17.	July 10
Aug. 4	Post Office—Salem, Va.	July 17
Aug. 6	Paving—Washington, D. C. Adv. July 17.	July 17
Aug. 7	Dredging and Rock Removal—New York, N. Y. ..... Adv. July 10 and 17.	July 10
Aug. 8	Pumps, etc.—Cairo, Ill. ..... Adv. July 17.	July 17
Aug. 11	Dredging—Buffalo, N. Y. Adv. July 17.	July 17
Aug. 11	Pass and Weir Horses, Props, etc.—Wheeling, W. Va.	July 17
Aug. 20	Metal and Glass Work—Key West, Fla. ..... Adv. July 17.	July 17
Aug. 26	Dredging—Honolulu, H. T. Adv. June 26.	June 26
Sept. 2	Miscellaneous Equipment—Washington, D. C. ..... Adv. July 10 and 17.	July 10

MISCELLANEOUS

July 20	Breakwaters — Port Colborne, Ont.	July 10
July 20	Dam, Wolfville, N. S.	July 17
July 21	Pipe, Fulton, N. Y.	July 17
July 21	Sand—New York, N. Y.	July 17
July 22	Furnishings, Apparatus and Equipment—Albany, N. Y. Adv. July 10 and 17.	July 10
July 22	Valves, Jersey City, N. J.	July 17
July 22	Wharf—Cornwall, Ont.	July 10
July 22	Flume, Sheboygan Falls, Wis.	July 17
July 23	Wharf—St. Annede Beaupre, Que.	July 10
July 24	Wharf—Berthier, Que.	July 3
July 24	New London, Conn.	July 17
July 25	Wharf—Soaichton, B. C.	July 10
July 26	Paving Materials — New York, N. Y.	July 17
July 30	Dam, San Francisco, Cal. Adv. July 17.	July 17
July 31	Wharf—Powell River, B. C.	July 10
July 31	Harbor Improvement—Atlantic City, N. J. ..... Adv. July 10.	July 10
July 31	Laundry, Float and Approaches—Port Essington, B. C.	July 17
Aug. 1	Cast Iron and Special Castings—Akron, O. ..... Adv. July 17.	July 17
Aug. 5	Wharf, Okanagan Center, B. C.	July 17

Where name of official is not given, inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Mass., Pittsfield—City plans to replace water mains in Pomeroy Ave., with larger mains and water pipe extensions in Holmes Rd. and Parker tract, cost $20,000; also water extensions in Swamp Rd., $5000.

Mass., Worcester—City plans to rebuild and enlarge Tatnuck reservoir. About $200,000. Work will not be started until next year.

N. Y., Herkimer—City election July 22, to vote on $750,000 bonds to build water system from Gravesville, Russia Twp., to city. Address C. L. Earl, Herkimer.

Fla., Ft. Myers—City election Aug. 18 to vote on $5000 bonds to extend waterworks.

Minn., Elk River—Sherburne Co. voted $38,000 bonds to build waterworks system. C. S. Wheaton, aud.

Neb., Alliance—City voted $10,000 bonds to build extensions to water mains. C. Calder, clk.

Mont., Virginia City—City election in July to vote on $15,000 bonds to install water system. G. R. Allen, Virginia City, clk.

Mo., Mt. Vernon—Bd. Mgrs. soon lets contract building water system, consisting of 100,000 gal. steel tank, on 75 ft. tower, furnishing and erecting deep well pump, steam exhaust pump, discharge and supply lines, etc. Hohenschild & Pearce, Odd Fellows Bldg., St. Louis, engrs.

Okla., Tulsa—City voted $5,000,000 bonds to build waterworks system; water to be taken from Spavinaw Creek. H. A. Pressey, Hotel Tulsa, engr. Noted June 19.

Cal., Glendale—City defeated $180,000 bond issue to improve water system. Noted Mar. 20.

Cal., Sacramento—City voted $1,800,000 bonds to purchase site and build filtration plant, pumping plant and caisson in Sacramento River. F. C. Miller, City Hall, engr. Noted Apr. 24.

Que., St. Colomb de Sillery—Municipal Council plans to build new waterworks system, also install equipment. About $50,000. E. Hamel Co., 51 St. Peter St., Quebec, engr.

Ont., Bridgeburg—Town Council soon receives bids building concrete and brick pumping station and installing new intake. About $15,000. J. D. Fitzgibbon, engr.

Ont., London — Utilities Bd. will have plans prepared by E. V. Buchanan, engr., Hydro Offices, for new concrete reservoir to have capacity of 20,000,000 gal. and water mains. About $300,000; by-law to be submitted to ratepayers. P. Pocock, c/o London Shoe Co., chn.

Ont., Port Colborne—Town Council plans to build waterworks system, including pumping equipment. About $100,000. A. Lair, clk. Engineer not selected.

Ont., Toronto — R. C. Harris, city engr., preparing plans for new pumping plant with 60,000,000 gal. daily capacity, filtration plant, new mains and intake, at Victoria Park. About $2,000,000.

BIDS DESIRED

W. Va., Parkersburg—Until July 25, by city, installing crib system in filtration plant. J. P. Leaf, Pittsburg, Pa., engr.

N. C., Warsaw—Until July 31, by mayor, laying 2¾ mi. 6-8-10 in. c.i. pipe, together with hydrants, valves, tower, tank, boiler, pumps, etc., also 3 mi. 8-12 in. sewers. About $125,000. W. M. Piatt, Durham, engr.

N. C., Zebulon—Until Aug. 5, by mayor, improving waterworks. Work involves 4 mi. 6-10 in. c.i. pipe, water hydrants, pumping station, tank and tower pumps and reservoir. Bids will be received at same time for laying 4 mi. 8-12 in. sewers. About $150,000. W. M. Piatt, Durham, engr.

S. C., Florence—Until July 29, by H. K. Gilbert, mayor and City Council, improving waterworks. Work will consist of furnishing and installing motor driven air compressors, motor driven centrifugal pumps, air lift deep well apparatus, and steel storage reservoir. G. C. White, Durham, engr.; advertised in this issue.

O., Akron—Until Aug. 1, by [illegible] S. Morse, dir. pub. serv., furnishing and delivering 2 horizontal centrifugal pumps, total capacity 1000 gal. per min., total head of 80 ft. wide, direct connected to electric motors, for water works. Contr. 144. G. G. Dixon, engr.; advt. in this issue.

Ia., Clarinda—Until July 2[illegible] H. Traxler, city clk., improving waterworks. About $75,000. Burns & McDonald, Interstate Bldg., Kansas City, Mo., engrs.

Minn., Montevideo—Until July [illegible] by B. O. Bonn, city clk., extending waterworks system; Sect. No. 1 to include [illegible] concrete reservoir, 750 gal. per min. centrifugal pump with motor, switchboard and piping; Sect. No. 4, 2000 ft. 10-in. water mains hydrants, valves and fittings. Sects. Nos. 2, 3 and 4, 742,100 ft. of 6-in. water mains, hydrants, valves and fittings, etc. W. E. Skinner, Montevideo, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

★Mich., Ferndale (Royal Oak P. O.)—Village let contract laying watermains in Woodward Ave., et al, to J. A. Metzger Co., 920 Fairview Ave., Detroit, $4,535. Noted June 19.

Wis., Durand—See "Sewers."

★Wis., Marshfield—Bd. Pub. Wks. let contract excavating and back filling for 12,849 ft. 6 in. and 500 ft. 4 in. water mains, also setting 22 hydrants, to Farnum & Yahr, Antigo, $0.40 per ft.

★Minn., Harmony—T. S. Brokken, city clk., let contract building 10 x 40 ft. compressed air water tank and pump house to Chicago Brick & Iron Co., 38 South Dearborn St., Chicago, $5301. Noted June 19.

Wash., Seattle—Bd. Pub. Wks. received bids June 27, building water mains in East 80th St., involving 5960 ft. 6 in. and 275 ft. 2 in. wooden pipe and 100 lb. special castings, from Fiorito Bros., $12,708; Scalzo & Co., $12,911; C. Christoforo, $13,396; contractors all of Seattle.

★Cal., San Francisco—Spring Valley Water Co. let contract building rein.-con. reservoir at Francisco and Larkin Sts., to Martin & Messner, c/o General Contractors Assn., Sharon Bldg.

Sewers

PROPOSED WORK

Mass., Pittsfield—City plans to build tile drains in Springdale Ave., Abbott, Harold and Boylston Sts.; also vitrified sewers in Benedict and Peck Rds. About $15,000.

Mass., Worcester — City appropriated $10,000 to prepare plans for installing Imhoff system of sewerage purification. Total cost $250,000.

Conn., Wilson—City soon lets contract building 1800 ft. 8 in. vitr. sewer for Wilson Fire District. About $20,000. C. A. Armitage, 29 Wilson Ave., chn.

N. Y., Albany—Bd. Contr. & Supply soon lets contract building monolithic concrete sewer (part rein.-con.) in Maiden Lane. F. R. Lanagan, city engr.

W. Va., Martinsburg—City voted $100,000 bonds to build complete sewerage system. C. D. Bromley, city engr.

W. Va., Wellsburg—City soon lets contract building lateral sewers in 3rd Ward. E. Boyd, city engr.

O., Barnesville—M. Knowles, engr. Jones-Law Bldg., Pittsburgh, submitted report to municipality for construction of sewerage system and 2 disposal plants. About $100,000. Citizens now running campaign to raise necessary funds.

O., Bellaire—City Council receives bids about August building 375 ft. 13 x 16 ft. rein.-con. culverts in Indian Run. About $17,000. H. C. Althar, Bellaire, engr.

O., Columbus—City plans to build 13,642 ft. 8-20 in. pipe sewers in Hayden Park Dr. and various other streets. About $21,971. H. A. Maetzel, city engr.

O., Springfield—City plans to build 2500 ft. 6-24 in. vitr. tile sanitary sewers in Laurel, Cora and Florence Sts. About $10,000. O. E. Carr, city mgr.

Sewers (Continued)

O., Springfield—City soon receives bids furnishing and laying 950 ft. 6-24 in. vitr. tile sanitary sewers in Yellow Springs St. from Grant to Cedar Sts., and Grant St. from Race to Plum Sts. About $10,000. O. E. Carr, city mgr.

Mich., Saginaw—City soon lets contract building vitr. pipe laterals in Delaware St., Marshon St. from Congress to Cooper Sts., and from Cooper to Houghton Sts., Wiplinger St. from Hermansau to Benjamin Sts, Granger St. from Division St. to Belt Line Ry., Charles St. from Cooper to Congress Sts., Brenner St. from Cooper to State Sts., Reed St. from Hermansau to Benjamin Sts., Martindale and Wisner Sts. from Hess to Thatcher Sts. and Thatcher, Wisner and Durand Sts. About $64,270. R. F. Johnson, comr.

Wis., Kiel—City plans to excavate and lay 3.8 mi. sewers in Main and Elm Sts., involving 9000 ft. 8-10-12 in. vitr. pipe. Cost between $40,000 and $50,000. F. Muth, City Hall, engr.

Wis., Madison—City Council adopted resolution to issue $20,000 bonds to make permanent changes at sewage disposal plant, also to appropriate $2000 to survey Lake Monona.

Wis., Sheboygan—City plans to excavate and lay 3.9 mi. sewers in Superior Ave., from 13th St. to city limits east, involving 5090 ft. 10 in. vitr. pipe. About $35,000. C. U. Boley, city engr.

Neb., Alliance—City voted $55,000 bonds to build storm sewers. C. Calder, clk.

S. D., Elk Point—City voted on $50,000 bonds to build sewers.

Colo., Hayden—Town plans to build sewerage system. About $25,000.

N. M., Santa Fe—See "Streets and Roads."

Que., St. Johns—City voted $10,000 bonds to extend Risdon outlet. W. Grant, 110 Dundas St., engr.

Ont., Toronto—Officials of city examining activated sludge unit plant in Milwaukee, Wis., with view to constructing one here. Experimental plant will be built and if same proves satisfactory, larger plant will be installed. About $50,000. R. C. Harris, city engr.

BIDS DESIRED

N. Y., Kings Park—Until July 29, by State Hospital Comn., Capitol, Albany, building extension to sewage disposal plant at Kings Park State Hospital, here. About $11,800. Noted Jan. 30.

N. Y., Long Island City—Until July 21, by M. E. Connolly, pres. Queens Boro., building sanitary and storm water sewers and appurtenances in 32nd Ave. from Union St. to Lawrence Ave. and in Lawrence Ave. from 32nd Ave. to Willetts Point Blvd.; storm water sewer and temporary screening plant and appurtenances in Willetts Point Blvd. from Lawrence Ave. to Flushing River, and cut-off and overflow chamber and appurtenances in Linden St. at 32nd Ave. together with so much of pumping station at Linden St. and 32nd Ave. as may be necessary to provide for pumping flow at rate of 576,000 gal. per day, 3rd Ward.

N. J., Westmont (Camden P. O.)—Until July 22 by Haddon Twp. Com., building sanitary sewerage system, involving 9 mi. 8-12 in. terra cotta pipe sewers and house connections, 126 manholes, 18 flushtanks, pumping station and disposal plant. R. Griffith, twp. clk.; advertised in this issue.

Pa., New Bethlehem—Until July 28, by Town Council, building complete vitr. pipe sanitary sewers, to consist of main intercepting and various lateral sewers, ranging from 8 to 18 in sizes, manholes, etc. D. M. Geist, secy., E. W. Hess, Du Bois, engr.; advertised in this issue.

N. C., Warsaw—See "Waterworks."

N. C., Zebulon—See "Waterworks."

Ia., Corning—Until July 24, by W. C. Chubb, city clk., building extensions to sanitary sewers. About $40,000 Archer & Stevens, 609 New England Bldg., Kansas City, Mo., engrs. Noted Apr. 3.

Kan., Seneca—See "Streets and Roads."

Kan., Wamego—Until July 29, by City Clk., building 12,500 ft. concrete and tile sanitary sewers, involving flush tanks, manholes, etc.

Neb., Lincoln—Until Aug. 2, by T. H. Berg, city clk., building 14,800 ft. sanitary sewers, involving 7770 ft. 15 in. concrete, 1630 ft. 30 in. vitr. and 5400 ft. 36 in. segmental block pipe and 24,000 cu.yd. earth trenching. About $65,000. G. W. Bates, city engr.

Okla., Idabel—Until Aug. 4, by Town Clk., constructing main sewers and sewage disposal plant. Work involves 196 lin.ft. 8-15 in. vitr. pipe, 2851 lin.ft. trenching and backfilling, etc. Johnson & Benham, Firestone Bldg., Kansas City, Mo., engrs. Noted Feb. 6.

Ariz., Phoenix—Until July 28, by V. A. Thompson, city mgr., building vitr. clay or cement drainage system to lower water level. About $100,000. L. B. Hitchcock, city engr. H. Phillips, International Life Bldg., St. Louis, Mo., consult. engr. Noted Jan. 2.

Ont., Aurora—Until July 25, by James, Loudon & Hertzberg, engrs., 36 Toronto St., Toronto, laying 15,000 ft. 12-15 in. vitr. pipe sanitary sewers, in Yonge St. About $50,000. Noted May 1.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—City let contract building 1221 ft. concrete sewer, to M. De Sisto, 192 LaGrange St., West Roxbury, $13,665. Work involves 10 tons steel and 300 cu.yd. rein.-con.

R. I., Westerly—Town received lowest bid building pumping stations in connection with sewerage system, from R. A. Sherman's Sons Co., about $39,389. Noted May 29.

★**R. I., Westerly**—Town let following contracts building complete sewerage system: sewer pipe and specials, to R. A. Sherman's Sons Co., $17,000; manhole frames and covers, Mt. Carmel Iron Wks., Easton, Pa., $2197; pumping machinery, Power Equipment Co., Boston, Mass., $6572; laying pipe, D'Onfro Bros., Leominster, Mass., $151,176.

★**N. Y., Syracuse**—Bd. Contr. & Supply let contract building Sect. "D", west branch of 17th Ward Sewerage System, to F. S. & A. Sposato, Syracuse, $71,581.

N. J., Jamesburg—Dept. of Agriculture, 142 West State St., Trenton, received lowest bid building sewerage system at State Home for Boys, from G. L. Robinson, 39 East 28th St., New York City, about $10,000. Noted June 12.

★**Pa., Wilkinsburg**—Boro. let contracts laying sanitary and storm sewers in Penn Ave. and Northern Pike, to Critelli, Ricca & Zappa, Sharpsburg, $2400, Anderson St. from Sadie St. to boro. line, to M. O'Herron, South 1st and McKean Sts., Pittsburgh, $5763, in sections of Wallace Ave., Hay and North Sts., to Manella Constr. Co., Pittsburgh, $4144. Noted June 19.

Mich., Dearborn—City received bids laying (a) 12,068 ft. 12 in. pipe, (b) 8840 ft. 15 in., (c) 2933 ft. 18 in., (d) 1343 ft. 20 in., (e) 428 ft. 22 in., (f) 1708 ft. 24 in., (g) 1098 ft. 30 in., (h) 660 ft. 36 in., (i) 86 manholes, from G. R. Cooke, 1260 Penobscot Bldg., Detroit, (a) 1.50 ft. total, $18,102, (b) $1.90, $16,796, (c) $2.60, $7626, (d) $2.90 $3895, (e) $4.20, $1798, (f) $3.80, $6490, (g) $5.95, $6533, (h) $6.50, $4290, (i) $65 each, $5590; G. B. Hoag Constr. Co., 510 Commercial Bank Bldg., Cleveland, (a) $2, $24,136, (b) $2.50, $22,100, (c) $2.90, $8506, (d) $3.33, $4472, (e) $4.95, $2119, (f) $4.20, $7174, (g) $8.95, $9827, (h) $9.05, $5973, (i) $125, $10,750; Monie & Dunbar Constr. Co., Chemical Bldg., (a) $1.98, $23,895, (b) $2.44, $21,570, (c) $3.10, $9092, (d) $4.70, $6312, (e) $6, $2544, (f) $5, $8540, (g) $8, $8784, (h) $11.50, $7293, (i) $100, $8600. Noted June 26.

Mich., Detroit—City received bids building (a) Joy Rd. Pub. Sewer, (b) Charlevoix Ave. Sewer Arm. (c) Linwood Ave. Pub. Sewer, Sect. 3, (d) Lynch Rd. Pub. Sewer, Sect. 6, (e) Lynch Rd. Pub. Sewer, Sect. 5, from O'Rourke Eng. & Constr. Co., 17 Battery Pl., New York City, (a) concrete, $988,218; J. Porath, 34 McGraw Bldg., brick or concrete, (a) $1,292,678, (c) brick or concrete, $161,340, (d) brick or concrete, $132,460, (e) brick or concrete, $167,871; Jaynes & Affeld, 1208 Ford Bldg., (a) brick or concrete, $1,339,000, (c) brick or concrete, $155,500; Walker & Teetaert, 442 St. Clair St., (b) $11,880; Lannane & McIlvenna, 809 Union Trust Bldg., (b) $12,369; N. Mancini, 256 Hague Ave., (b) $13,640; Gawn Contg. Co., Cleveland, O., (c) concrete, $135,506, (e) concrete, $146,388; J. Winterbottom, Commercial Bank Bldg., Cleveland, O., (d) concrete, $112,378; J. A. Mercier, 216 Hammond Bldg., (d) brick or concrete, $122,500, (e) brick or concrete, $157,509. Noted June 19 and 26.

Mich., Detroit—City received bids furnishing labor and material (except manhole rings and covers) for building and finishing complete, laterals sewers Nos. (a) 3131, (b) 3140, (c) 3153, (d) 3156, (e) 3160, (f) 3161, (g) 3164, (h) 3167, (i) 3168, (j) 3169, (k) 3068, from Walker & Teetaert, 442 St. Clair St. (a) $2004, (b) $26,660, (g) $21,425, (k) $29,566; C. Melevin, 400 Penobscot Bldg., (a) $1895; J. C. Sprague, 1027 Euclid Ave. (b) $26,835; Lennane & McIlvenna, 809 Union Trust Bldg., (c) $10,000, (d) $8950, (e) $8500, (f) $9500, (i) $9000, (j) $8250; Westerr Constr. Co., 1208 Ford Bldg., (c) $11,545, (d) $9929, (e) $7429, (f) $9217, (g) $22,691, (h) $12,465, (i) $8949, (j) $8216, (k) $38,314; Detroit Contg. Co., 1102 Penobscot Bldg., (e) $7948, (f) $10,112, (g) $22,691, (h) $12,513, (i) $9320, (j) $9100; Liberty Constr. Co., Penobscot Bldg., (g) $21,500, (k) $39,645; G. B. Hoag Constr. Co., 510 Commercial Bank Bldg., Cleveland, (h) $15,700. Noted May 22 and July 3.

★**Mich., Port Huron**—City let contract building tile sewer in vicinity of 31st and Wood Sts., to C. E. Mugovero, Port Huron, $10,292. Work involves 1400 ft. 8 in. vitr. pipe.

Wis., Durand—City let contract installing sewerage system and extending water mains to W. T. Frazer, 707 Guardian Life Bldg., St. Paul, Minn., $64,894. Noted May 29.

Minn., St. Paul—City received bids building storm water sewers, from O'Neill & Preston, 60 East 6th St., $88,400; Thornton Bros., 304 Scandinavian Amer. Bank Bldg., $94,737; E. T. Webster, 437 Beacon Ave., $102,518. Noted July 10.

★**Kan., Eldorado**—City let contract building sanitary sewer, involving 24,947 lin.ft. 8-12 in. pipe, 80 manholes, 7 flush tanks and 7900 cu.yd. solid excav., to Chanute Constr. Co., Chanute, $77,396. Noted July 10.

★**Cal., Los Angeles**—City let contract building sewers in 63rd Pl. Sewer Dist., to M. Chutuk, 1650 Pleasant St., $79,229. Noted May 8.

Bridges

PROPOSED WORK

Conn., Bristol—City soon receives bids building concrete and steel bridge over North Creek on Laurel St. About $15,000. Sperry & Buell, 175 Main St., engr.

Conn., New Haven—City rejected bids repairing Neck Bridge on State St. About $20,000. Work will be readvertised. Noted July 10.

N. Y., Watertown—E. W. Sayles, city engr., soon lets contract building double decked rein.-con. bridge over Black River on Court St. About $260,000. Noted March 27.

N. J., Jersey City—Comrs. Essex Co., Court House, Newark, soon let contract painting and repairing structural steel work on Hackensack bridge on Paterson Plank Rd., here. About $15,000.

Md., Pocomoke City—State Rds. Comn., 601 Garrett Bldg., Baltimore, submitted plans to U. S. Engr.'s Office, 309 Custom House, Baltimore, for 270 ft. rein.-con. bridge over Pocomoke River, between Somerset and Worcester Counties, 24 ft. wide between curbs, with draw opening 60 ft. in clear, wooden piles, etc. About $150,000. J. N. Mackall, state highway engr.

W. Va., Clay—Comrs. Clay and Braxton Counties having preliminary plans prepared building 200 ft. span bridge, 16 ft wide, over Elk River between 2 counties. About $25,000. J. S. Chase, Court House, engr.

N. C., Charlotte — Mecklenburg Co. (Charlotte), and York Co. (York, S. C.), plan to build steel bridge over Catawba River on line between two counties. About $55,000. Engineer not selected.

Miss., Columbus — See "Streets and Roads."

O., Eaton—Preble Co. soon receives bids building 7 rein.-con. girder bridges, 18 to 30 ft. long, and 3 rein.-con. box culverts on various roads. About $16,000. J. Ryder, co. engr.

Bridges (continued)

Ill., Pittsfield—Pike Co. plans to build 5 rein.-con. bridges, with 14-35 ft. spans and 18 ft. roadway. About $10,000. G. Lyons, engr.

Minn., Grand Rapids—Comrs. Itasco Co. plan to build 3 bridges, each 50 ft. concrete arcn span, on Deer River-Grand Rapids-Coleraine Highway. About $10,000. O. J. Lidberg, Grand Rapids, engr.

Kan., Morganville—Comrs. Clay Co. receive bids about Aug. 1, building 226 ft., steel bridge, 18 ft. wide, with concrete pier and abutment, over Republican River, here. E. L. Bell, Clay Center, engr.

Mont., Victor—Ravalli Co. plans to build Bell Crossing Bridge, 224 ft. long, 16 ft. wide, over Bitterroot River, near here, consisting of two 112-ft. steel spans on concrete piers and abutments. P. D. Pratt, c/o State Highway Dept., Helena, engr.

Wash., Spokane—City receives bids about Aug. ,1 building 180 ft., concrete bridge, 35 ft. wide, with 5 ft. sidewalks, on West Riverside Ave. About $25,000. A. D. Butler, city engr.

Oregon—State Highway Comn., Portland, soon lets contract building bridge over Cow Creek, near Glendale, Douglas Co., consisting of six 70 ft. wooden truss spans, involving 420 cu.yd. Class "A" concrete and 450 lin.ft. wooden piling; 1 rein.-con. bridge over U. S. Recl. Serv. Drainage Ditch, near Hermiston, Umatilla Co., 120 cu.yd. Class "A" concrete and 12,000 lb. reinforcing steel; 35 ft. concrete span over Beaver Creek, near Rainier, on Columbia River Highway, Columbia Co., 78 cu.yd. Class "A" concrete, 8100 lb. reinforcing steel and 80 lin.ft. handrail; 2 wooden trestles 1 mi. northwest of Central Point, Jackson Co., 1200 lin.ft. wooden piling; 6 rein.-con. bridges over Furnish Canal on Old Oregon Trail, near Nolin and Echo, Umatilla Co., 415 cu.yd. Class "A" concrete, 38,500 lb. reinforcing steel and 370 lin.ft. reinforced handrail; 7 rein.-con culverts and 2 cattle passes on Elgin-Minan section of La Grande-Enterprise Highway, Union Co., 185 cu.yd. concrete. H. Nunn, Salem, state highway engr.

Ore., Newberg—Yamhill Co. Court, McMinnville, soon lets contract **building 580** ft., rein.-con. viaduct on Newberg Rd. near here, involving 1400 yd. concrete, 181,500 lb. reinforcing steel, 450 lin.ft. timber piling and 1225 lin.ft. hand rail. Cost to exceed $10,000. C. B. Wilson, c/o clk.

Cal., Oakland—Bd. Supervs. Alameda Co. on May 19th, appointed W. J. Hamilton, supervisor, com. of one to consult with U. S. Engr. Col. Heuer and officials of Southern Pacific R.R. relative to proposed construction of bascule bridge over Oakland Estuary to cost. $1,800,000. County voted $900,000 for project before war, upon railroad company's agreement to furnish like amount, but U. S. R.R. Administration held up work. Practically all of necessary land has been acquired by county.

Ont., Burlington—Dept. Pub. Wks., Ottawa, having plans prepared and soon receives bids building bridge over Burlington Canal at entrance to Hamilton Bay, here. About $100,000. E. Lafleur, c/o Dept. Pub. Wks., Ottawa, engr.

BIDS DESIRED

Ala., Birmingham—Until Aug. 4, by Bd. Revenue Jefferson Co., building bridge on 3rd Ave., Atlanta, Birmingham and Atlantic Ry. Crossing. About $12,000.

Michigan—Until July 23, by F. F. Rogers, state highway comr., Lansing, furnishing labor and material building State Trunk Bridge No. 112 over Carp River north of St. Ignace, one 60 ft. arch span, 18 ft. roadway, involving 950 cu.yd. rein.-con.; No. 204 over Grand River near Ionia, concrete floor and sidewalks; No. 103 over Baltimore River, Stannard Twp., Ontonogan Co., two 12 ft. abutments, 26 ft. concrete floor, 75 ft. steel trusses, 107 cu.yd. rein.-con.; No. 261 over Pigeon River near West Olive, Ottawa Co., 50 ft. rein.-con. arch span, 400 cu.yd. rein.-con.; No. 274 near Zeeland, Ottawa Co., two 35 ft. concrete girders, 20 ft. roadway, two 8 ft. abutments, one 8 ft. pier, 125 cu.yd. rein.-con.; No. 292, 6 mi. east of Zeeland, one 35 ft. concrete girder, two 6 ft. abutments, 118 cu.yd. rein.-con.; No. 290 over Mason River at Dundee, Monroe Co., two 30 ft. rein.-con. girders, two 15 ft. abutments, one 15 ft. concrete pier, 433 cu.yd. rein.-con.; No. 269 over Cedar River at Gladwin, two 50 ft. arches, 23 ft. roadway, two 5 ft. sidewalks, 750 cu.yd. concrete.

Neb., Lincoln—Until July 21, by Comrs. Lancaster Co., building 100 ft. rein.-con. bridge over Oak Creek, on 14th St. Former bids rejected. A. H. Edgren, co. engr. Noted July 3.

Ark., Marion—Until Aug. 7, by Comrs. Rd. Impvt. Dist. No. 9, Crittenden Co., building one 50 ft. steel girder span, 24 ft. wide; one 50 ft. steel girder span, 20 ft. wide; one 168 lin.ft. concrete viaduct, 24 ft. wide, and one 160 lin.ft. concrete viaduct, 20 ft. wide. Morgan Eng. Co., Memphis, Tenn., engrs.

Cal., San Diego—Until July 28, by Bd. Supervs. San Diego Co., building rein.-con. bridge near Cardiff. About $10,000. J. B. McLees, clk.

Ont., Toronto—Dept. Highways receiving bids building bridge on Rouge Rd., with steel superstructure and concrete substructure. About $50,000. W. A. McLean, c/o Dept. Highways, engr.

PRICES AND CONTRACTS AWARDED
(★Indicates award of contract)

★Me., Holland—State Highway Comn., Augusta, let contract rebuilding bridge in Holland Twp. to Cyr Bros. Co., Waterville, $48,975. Work consists of shoring up present steel bridge and building 3 new piers and abutments, involving 1050 cu.yd. concrete, 9400 lb. steel and 172 wooden piles.

Me., Lincolnville — State Highway Comn., Augusta, received only bid building 55 ft. rein.-con. girder bridge in Lincolnville Twp., 20 ft. wide, from Cyr Bros. Co., Waterville, $18,840. Work involves 125 cu.yds. rein.-con., 500 cu.yds. concrete, 37,500 lbs. steel, 216 cu.yd. stone and 50 cu.yds. earth approach and fill.

★Conn., Bristol—City let contract building concrete and steel girder bridge on Main St., to Berlin Const. Co., Depot Rd., Berlin. About $15,000.

N. J., Camden—Comrs. Camden Co. received bids building rein.-con. arch bridge over Newton Creek on Nickolson Rd., from J. M. Kelley Contg. Co., 507 Federal St., $59,180 and A. McMullen Co., Finance Bldg., Phila., $73,400. Noted June 26.

★Pa., Reading—Berks Co. let contract building rein.-con. girder bridge across West Branch Creek, in Washington Twp., about 2 mi. from Barto Sta., to Reading Contg. Co., 622 Court St., Reading. Noted June 26.

★Mich., Watervliet—F. F. Rogers, state highway comr., Lansing, let contract building 75 ft. trunk line bridge No. 252, steel, over Paw Paw River, to C. F. Briscoe, Highland Park, $10,896. Noted June 19 under "Michigan."

★Wis., Manitowoc—Manitowoc Co. let contract building 610 ft. bridge on 8th St., 28 ft. wide, double leaf bascule type, earth and wooden piling, approach and fill, to McMullen & Pitz, Dempsey Bldg.; about $153,000.

★Kan., Emporia—Lyon Co. let contract building concrete bridge, 18 ft. wide, near here, to Koss Constr. Co., 2818 5th St., Des Moines, Ia., $46,280.

★Wash., Adna—State Highway Bd., Olympia, let contract building 220 ft., steel span bridge over Chehalis River on Ocean Beach Highway, near here, to J. M. Nichols, California Bldg., Tacoma, $31,887. Noted June 26.

Cal., Oakland—See "Streets and Roads."

★Manitoba—See "Excavation and Dredging."

Structural Steel

PROPOSED WORK

Kan., Morganville—See "Bridges."

Nova Scotia—See "Buildings."

BIDS DESIRED

Ont., Toronto—See "Bridges."

PRICES AND CONTRACTS AWARDED
(★Indicates award of contract)

★Pa., Phila.—See "Buildings."

Reinforced Concrete

PROPOSED WORK

Md., Pocomoke City—See "Bridges."

O., Eaton—See "Bridges."

Oregon—See "Bridges."

Nova Scotia—See "Buildings."

Ont., London—See "Waterworks."

BIDS DESIRED

N. S., Wolfville—See "Miscellaneous."

Ont., Toronto—See "Bridges."

PRICES AND CONTRACTS AWARDED
(★Indicates award of contract)

★Pa., Phila.—See "Buildings."

★Pa., Reading—See "Bridges."

Streets and Roads

PROPOSED WORK

Massachusetts—State Legislature appropriated $10,000 to build 6 mi. road between Amherst and Belchertown. A. W. Dean, c/o State Highway Comn., Boston, engr. Noted Jan. 30.

Rhode Island—State Highway Comn., State House, Providence, soon lets contract paving 3930 ft. Warwick Ave., bituminous concrete, Cranston Twp.; 11,080 ft. West Shore Rd. and 3170 ft. Centerville Rd., bituminous macadam, Warwick Twp.; 5200 ft. Farnum Pike, bituminous macadam, Smithfield Twp.

R. I., Providence—City soon receives bids paving Fountain St., granite blocks. About $20,000. M. S. Bronsdon, city engr.

Conn., East Hartford—(Hartford P. O.)—City soon lets contract building bituminous macadam road on Hillstown Rd. About $20,000. E. H. Oldstead, 1175 Main St., Hartford, engr.

Conn., Shelton—City having plans prepared paving various streets, bituminous concrete, waterbound or bituminous macadam on concrete base. About $90,000. V. B. Clark, City Hall Bldg., Ansonia, engr.

Conn., Torrington—City plans to pave various streets. About $300,000.

N. Y., Albany—Bd. Contr. & Supply soon lets contract improving portion Western Ave. from Manning Blvd. to west city line. Plans include cement concrete pavement, rebuilding and extending culverts, guard rails, etc. F. R. Lanagan, city engr.

N. Y., Albany—City plans to improve Bway. from Pleasant St. to north city line, cost, $69,000; grade and pave Western Ave. from Manning Blvd. to west city line, $75,000. F. R. Lanagan, city engr.

N. Y., Binghamton—City plans election to vote on $50,000 bonds to build roads in parks, macadam or bituminous. W. E. Weller, city engr.

N. Y., Buffalo—City having plans prepared paving with asphalt, Tamarack St. from Abbot Rd. to Cumberland St., Blake St. from Genessee St. to Sacjaquada Creek, Elmer St. from Kensington Ave. to Amherst St., Richlawn Ave. from Le Roy Ave. to north end of street, Amherst St. from South Park Ave., west, 900 ft., all 26 ft. wide, Kilhoffer St. from East Ferry St. to north end of street, 24 ft. wide. G. H. Norton, city engr.

N. Y., Gowanda—City election July 22, to vote on $5000 bonds to pave Chapel St. from Water to Jamestown Sts. Total cost $25,000; $20,000 of which is now available.

N. Y., Syracuse—City plans to extend pavement in East Genesee St. to new city line in Salt Springs Rd. About $36,500. J. C. Allen, city engr.

N. J., Hoboken—City plans to pave Jefferson St. from 8th to 13th Sts., stone blocks on concrete base J. O. Whittemore, city engr.

N. J., Trenton—City soon lets contract paving 4100 sq.yd. Sullivan Way, Bridge St. and Burnside Ave., asphalt. About $21,000. A. Swan, City Hall, engr.

N. J., West Hoboken—Town Council plans to improve Summit Ave. and Spring St., granite block. About $50,000. J. G. Gallo, supt. of streets.

Pennsylvania—State Highway Dept., Harrisburg, rejected only bid received July 8, building 12,355 lin.ft. bituminous surface course on rein.-con. road on concrete foundation in Centre Co. Noted June 19.

Pa., Beaver Falls—Boro. voted $150,000 bonds to pave various streets. Noted Apr. 24.

Pa., Mercer—Mercer Co. voted $1,500,000 bonds to build roads. Noted Mar. 6.

Pa., North Braddock (Braddock P. O.)—Boro. rejected bids improving Poplar Way from Bowers to South Sts. New bids in August. Noted June 12.

Pa., Ridley Park—Boro. voted $40,000 bonds to improve streets.

Streets and Roads (Continued)

Md., Baltimore—Bd. Awards soon lets contract paving 29th and 34th Sts., 41 ft. wide, involving 7700 sq.yd. 6 in. cement concrete, 4900 lin.ft. armored concrete curbing and 6000 cu.yd. grading. J. M. Cummings, city engr.

W. Va., Charleston—Comrs. Kanawha Co. plan to surface 3 mi. Sessorville Rd., 13 ft wide, with asphaltic concrete. About $20,000. J. C. Burdette, engr.

W. Va., Harrisville—Comrs. Ritchie Co. soon receive bids grading and draining 4 mi. Harrisville-Smithville Rd., 26 ft. wide. About $35,000. F. O. Renshaw, Pennsboro, engr.

W. Va., Hinton—Comrs. Summers Co. having plans prepared building 2.7 mi. Greenbrier-River Rd., grading 20 ft. and surfacing 9 ft. wide, involving 2000 cu.yd. excav. and 12,500 sq.yd. cement concrete surface. About $34,000. J. D. French, Hinton, engr.

W. Va., Marlinton—Comrs. Pocahontas Co. plan to improve 5.5 mi. Marlin's Bottom-Huttonsville Turnpike, 16 ft. wide, involving 8800 sq.yd. resurfacing and 39,000 sq.yd. new bituminous macadam. About $84,000. F. Baxter, Marlinton, engr.

W. Va., Princeton—Comrs. Mercer Co. soon receive bids resurfacing 4.7 mi. Princeton-Athens and Princeton-Bluefield Rds., 16 ft. wide. About $28,000. C. E. Barton, Bluefield, engr.

W. Va., Ripley—Comrs. Jackson Co. and state plan to surface 1.06 mi. streets in Ravenswood Twp., 20 ft. wide, involving 12,500 sq.yd. concrete surfacing and 3500 cu.yd. excav.; sewers, drains and curbs to be provided by town. About $35,000. Engr. not selected.

W. Va., St. Mary's—Comrs. Pleasant Co. plan to build 5.4 mi. River Rd., grading 22 ft. wide, involving 32,400 cu.yd. excav. and drainage structures. About $30,800. Wood & Alexander, Parkersburg, engrs.

W. Va., Summersvile—Comrs. Nicholas Co. plan to build 2.33 mi. Richwood-Summersville Rd., grading 20 ft. wide, involving 18,000 cu.yd. excav. and drainage structures. About $22,000. R. Williamson, Richwood, engr.

W. Va., Union—Comrs. Monroe Co. had plans prepared grading, draining and paving with waterbound macadam, 4 mi. Union Salt Sulphur Rd., grading 26 ft. wide, surfacing 16 ft. About $50,000. J. W. Hancock, Union, engr.

W. Va., Winfield—Comrs. Putnam Co. receive bids about Aug. 1, grading 4 mi. Midland Trail. About $32,000. J. S. Parkins, Paradise, engr.

N. C., Nashville—Comrs. Nash Co. plan to hard surface 10 mi. road from Rocky Mount to here, 18-20 ft. wide. About $250,000. Engineer not selected. Noted June 26.

S. C., Camden—Comrs. Kershaw Co. plan to relocate, grade, drain and surface 14 mi. Washington-Atlanta Highway, from here to Cassatt, 30 ft. wide. About $88,000. J. R. Pennell, c/o State Highway Dept., Columbia, engr.

S. C., Newberry—Comrs. Newberry Co. plan to relocate, grade, drain and surface with topsoil, 6.74 mi. Piedmont Highway from here to Prosperity, 30 ft. wide. About $36,000. J. R. Pennell, c/o State Highway Dept., Columbia, engr.

Ga., Athens—Clarke Co. voted $250,000 bonds to build roads. Federal Government will appropriate like amount. Noted May 22.

Ga., Cairo—Grady Co. voted $250,000 bonds to improve roads. Federal Government will appropriate like amount.

Fla., Ft. Myers—City election Aug. 18 to vote on $50,000 bonds to pave streets.

Fla., Kissimmee—City voted $30,000 to pave various streets.

Miss., Columbus—Highway Comn. Artesia Rd. Dist., Lowndes Co., soon lets contract improving 5.4 mi. Federal Aid Rd. No. 28, between Corinth and Gulfport. Work involves 4 acres clearing and grubbing, 24,000 cu.yd. grading, 8400 cu.yd. gravel, 220 cu.yd. concrete, 125 lin.ft. culvert pipe and one 30 ft. and one 40 ft. concrete bridge. X. A. Kramer, c/o State Highway Dept., Magnolia, engr.

Ohio—State Highway Dept., Columbus, plans to grade, build bridges and culverts and pave Federal aid roads in following counties:

Belmont Co., 4 mi. Barnesville-Woodsfield Rd. and 4.45 mi. Morristown-Athens Rd., waterbound macadam, $40,000 each.

Defiance Co., 2.04 mi. Hickville-Defiance Rd., concrete, $27,750.

Fayette Co., 12.08 mi. Columbus-Washington C. H. Road., bituminous macadam, $128,000.

Fulton Co., 6.2 mi. Bryan-Wauseon Rd., waterbound macadam or concrete $62,000.

Logan Co., 4 mi. Bellefontaine-Lima Rd., waterbound macadam, $175,000.

Montgomery Co., 6.05 mi. Dayton-Indianapolis Rd., concrete, $70,000.

Perry Co., 4.84 mi. Newark-New Lexington Rd., concrete or bituminous macadam, $66,100.

Washington Co., 3.026 mi. Marietta-Whipple Rd., concrete, $50,000.

Williams Co., 2.98 mi. Bryan-Styker Rd., concrete, $35,000.

O., Columbus—City plans to grade, curb and pave alley north of Bryden Rd. from 18th to 20th Sts., 750 ft. long, 15 ft. wide, (a) brick or (b) concrete, estimated cost, (a) $4600, (b) $3125; curb, lay water mains and resurface 1200 ft. Buetles Ave. from High St. to Dennison Ave., 34 ft. wide, asphalt, $16,443. H. A. Maetzel, city engr.

O., Covington—Village Council plans to pave 900 ft. High St., from Bridge St. to Pennsylvania R.R., 30 ft. wide, brick or sheet asphalt. About $15,000.

O., Dayton—City plans to pave 800 ft. Superior Ave. from Yuncker St. to Deal Ave., 40 ft. wide, involving 1500 cu.yd. grading, 3800 sq.yd. macadam, 1650 ft. cement curbing and guttering and 4000 sq.ft. 4½ in. cement sidewalk. About $10,500. O. E. Eichelberger, city engr.

O., Findlay—Comrs. Hancock Co. receive bids about August improving 6 mi. Lima-Sandusky Rd. Bonds for $150,000 sold for work.

O., South Charleston—City election about August to vote on $12,000 bonds to pave 900 ft. Chillicothe St., bituminous macadam or asphalt.

Mich., Detroit—City soon lets contract paving following alleys with 1 course concrete; No. 1037 between Lenox, Drexel, Freud and Jefferson Aves., 18 ft. wide, No. 1038 between Cass, Woodward, Warren and Putnam Aves., 15-20 ft. wide, No. 1039 between Greenwood, 4th, Hancock and Warren Aves., 16-20 ft. wide, No. 1040 between 2nd, Woodward, Calvert and Collingwood Aves., 20 ft. wide, No. 1041 between Rivard and Russell Sts. and Frederick and Kirby Aves., 18 ft. wide, No. 1042 between Wilson, Buron, Edison and Atkinson Aves., 20 ft. wide, No. 1043 between Oakland, Cameron, Mt. Vernon and Melbourne Aves., 18 ft. wide, and No. 1044 between Walker, Adair, Franklin and Woodbridge Sts., 10-20 ft. wide, involving 4280 cu.yd. excav., 12,574 sq.yd. paving, etc. C. W. Hubbell, city engr.

Mich., Detroit—Dept. Pub. Wks. soon receives bids paving Radcliffe Ave. from Central Ave. to Lonyo Rd., 26 ft. wide, cost $24,120; Central Ave. from McGraw to Radcliffe Aves., 22 ft. wide, $28,860; Helen Ave., from Harper to Strong Aves., 26 ft. wide, $8230; Springwells Ave., from Malta to Michigan Aves., 26 ft. wide, $20,160, asphaltic concrete on 6 in. concrete base, Berea, Amherst or Medina curbstone; alleys between 30th and 28th Sts., Horatio and Herbert Aves., 20 ft. wide, $3890, between 16th, 15th, Linden and Poplar Sts., 20 ft. wide, $3645, between 18th, 17th and Magnolia Sts. and Myrtle Ave., 20 ft. wide, $3645, between Hastings, Rivard, Catherine and Sherman Sts., 20 ft. wide, $4920, 1 course concrete.

Mich., River Rouge—Village having plans prepared by J. Jerome, engr., 1331 Majestic Bldg., Detroit, paving with 1 course concrete, concrete curbing, Burke Ave. from Dearborn to Jefferson Aves., Henry Ave. from Burke Ave. to easterly line lots 120 and 153; Maple St. from Jefferson Ave. to point east of east line lots 86 and 119, Burke and Riopellis sub-division; Pine St. from Jefferson Ave. to point 10 ft. east of east line lots 52 and 85, Burke and Riopellis sub-division. R. J. Peters, 9 South Dearborn Ave., clk.

Ill., Belleville—Rd. & Bridge Com., of St. Clair Co. soon receives bids paving 2.6 mi. road from Shiloh to Scottfield, concrete. About $60,000. D. O. Thomas, Belleville, engr. and supt. highways.

Ill., Chicago—Bd. Local Impvts. rejected bids received June 26, paving alleys between Colorado Ave., Jackson Blvd., Whipple St. and Albany Ave.; between West 86th Pl., West 87th St., Vincennes Ave. and Sycamore St.; Belmont St. from Broadway to Sheridan Rd.; Clyde Ave. from East 73rd St. to East 75th St.; Shields St. from West 35th St. to point 631 ft. south; Wabansia St. from Kedzie Ave. to Chicago, Milwaukee & St. Paul R.R. tracks; East 71st and East 72nd Sts., from South Shore Dr. to point 122 ft. east; Potomac Ave. from Homan Ave. to Chicago, Milwaukee & St. Paul R.R. tracks and St. Louis Ave. from Evergreen St. to Potomac Ave. Work will be readvertised. Noted July 3.

Ill., Chicago—Sanitary Dist., under act passed by Illinois State Legislature, plans to build 60 mi. hard road along Sanitary Dist. canals, from Chicago to Lockport and Joliet, Blue Island to Sag, and Chicago to Waukegan. G. L. Wisner, 910 South Michigan Ave., ch. engr.

Ill., Silvis—City plans to pave 5th, 6th and 7th Sts., brick, involving 11,784 sq.yd. vitr. brick, 9219 lin.ft. cement curb and gutter and 4047 cu.yd. earth excav. About $47,954. W. Treichler, Rock Island, engr.

Wisconsin — State Highway Comn., Madison, Div. No. 1, soon lets contract improving Portage-Wyocena Rd., Columbia Co., Federal Aid Project No. 51, involving 3.62 acres clearing and grubbing, 24,296 cu.yd. earth and 18,604 cu.yd. borrow excav., 252 cu.yd. concrete, 45,200 lbs. structural steel, 44,610 sq.yd. gravel surfacing, etc.; Watertown Plank Rd., Jefferson Co., Federal Aid Project No. 59, 14,601 cu.yd. earth and 371 cu.yd. borrow excav., 88 cu.yd. Class "A" concrete, etc.; County line road, Dodge and Jefferson Counties, Federal Aid Project No. 72, 15,474 cu.yd. earth and 286 cu.yd. borrow excav., 129 cu.yd. Class "A" concrete, etc.; Beloit Janesville Rd., Rock Co., Federal Aid Project No. 96, 18,028 cu.yd. earth and 969 cu.yd. borrow excav., 277 cu.yd. Class "A" concrete, 63,312 sq.yd. concrete surfacing, etc.

Wisconsin—State Highway Comn., La Crosse, received no bids improving Viroqua-Sparta Rd., Monroe Co., Federal Aid Project No. 67. Noted July 3.

Wisconsin—State Highway Comn., Madison, received no bids improving Dunbarton-Darlington Rd., Lafayette Co., Federal Aid Project No. 86. Noted July 3.

Wis., Racine—Racine Co. soon lets contract grading and paving with 1 course concrete, Middle Rd., 16 ft. wide, involving 14,004 sq.yd. concrete, 2398 cu.yd. earth excav., concrete culverts, etc. About $32,000.

Wis., Shelboygan—C. U. Boley, city engr., soon lets contract grading and paving 2.8 mi. Martin Ave. from North 15th St. to Calumet Dr., 20 ft. wide, involving 8500 sq.yd. concrete and 4400 lin.ft. concrete curb and gutter. About $30,000. Noted June 19.

Wis., Sheboygan—C. U. Boley, city engr., soon lets contract grading and paving, with 2 course rein.-con., 1.8 mi. Georgia Ave. from South 2nd to 18th Sts., 20 ft. wide, involving 820 sq.yd. vitr. brick, 16,950 sq.yd. concrete and 8250 lin.ft. concrete curb and gutter, all hills to be paved with Hillside brick. About $45,000.

Wis., Sheboygan—City plans to grade and pave 2 mi. Logan Ave. from Superior to Geele Aves., 20 ft. wide, involving 12,500 sq.yd. concrete and concrete curb and gutter. About $15,000. C. U. Boley, city engr.

Wis., Sheboygan—City plans to grade and pave 2 mi. East Water St. from Jefferson to Pennsylvania Aves., 18 ft. wide, involving 5600 sq.yd. concrete and 2980 lin.ft. concrete curb and gutter. About $15,000. C. U. Boley, city engr.

Wis., Sheboygan—Sheboygan Co. having plans prepared by G. Ubbelohde, engr., grading and repaving 8.2 mi. Sheboygan-Howard Grove Rd., 24 ft. wide, involving 45,000 sq.yd. concrete and concrete culverts. About $45,000.

Ia., Adair—City rejected bids received June 26 for 20,678 sq.yd. street paving, 513 sq.yd. alley paving, and 15,542 lin.ft. curb and gutter. Work has been readvertised and new contract will soon be let. T. S. De Lay, Creston, consult. engr. Noted June 19.

Ia., Des Moines—City having plans prepared grading 14th St. from Grand to Locust Sts. About $75,000. J. M. Wells, city engr.

Ia., Des Moines—Comrs. Polk Co. voted on $2,000,000 bonds to build hard surface roads.

Ia., Mason City—Comrs. Cerro Gordo Co. voted $750,000 bonds to build roads. G. E. Frost, aud.

Streets and Roads (Continued)

Ia., Spencer—Comrs. Clay Co. plan election July 22 to vote on $800,000 bonds to build hard surfaced roads. A. W. Chamberlain, aud.

Minn., Bemidji—A. D. Johnson, aud. Beltrami Co., receives bids in August grading and graveling 25 mi. Cass Lake-Bemidji-Solway Highway, 24 ft. wide, under Babcock Project. About $165,000. S. D. Snyder, Bemidji, engr.

Minn., Bemidji—Comrs. Beltrami Co. will receive bids in fall, grading and graveling 30 mi. Bemidji-Blackduck Rd., cost, $70,000; 20 mi. Bemidji-Renville Rd., $75,000; 25 mi. Clemenson-Roosevelt Rd., via Raudette, $25,000; 60 mi. Kelliher-Baudette Rd., all 24 ft. wide, $175,000. S. D. Snyder, Bemidji, engr.

Minn., Duluth—Comrs. St. Louis Co. voted $7,500,000 bonds to build 270 mi. roads under Babcock law. R. W. Acton, co. engr. Noted June 12.

Minn., Duluth—J. A. Farrell, city comr. soon receives bids to pave Railroad St. from 7th Ave., W., to Garfield Ave., 30 ft. wide. About $83,113. L. Ayres, city engr.

Minn., Minneapolis—Comrs. Hennepin Co. having plans prepared grading ½ mi. of approaches to Savage bridge over Minnesota River, 30 ft. wide. About $25,000. E. E. Terrell, co. surv.

Kan., Columbus—Cherokee Co. having plans prepared building 11½ mi. Columbus-Oswego Rd., 7 mi. Crest Line Rd., and 11½ mi. Hoover Rd., all 18 ft. wide, concrete on concrete base. C. M. Cooper, Columbus, engr.

Kan., Concordia—Cloud Co. having surveys made and plans prepared for 20 mi. Federal aid highways near Glasco. Tuttle, Ayers, Woodward, Reliance Bldg., Kansas City, Mo., engrs.

Kan., Meade—Meade Co. having plans prepared building 5 mi. Meade Rd., 24 ft. wide, waterbound macadam. Southwestern Eng. Co., Hutchinson, engrs.

Kan., Oswego—Labette Co. having plans prepared building 10 mi. gravel roads, 18 ft. wide. R. J. King, Oswego, engr.

Neb., Alliance—City voted $20,000 bonds to pave streets. C. Calder, clk.

Neb., McCook—City rejected bids received June 24 paving various streets. Work has been readvertised. Archer & Stevens, 609 New England Bldg., Kansas City, Mo., engrs. Noted June 12.

Mo., Burlington Junction—City soon lets contract paving Main St., involving 7553 sq.yd. concrete on concrete base, 3057 lin. ft. concrete curbing, 460 cu.yd. earth excav. and 325 cu.yd. embankment. R. H. Rees, clk.

Mo., Westplains—Howell Co. voted $500,000 bonds to build hard surface roads near here. Engr. not selected.

Tex., Boston—Comrs. Bowie Co. plan to improve 22 mi. State Highway No. 5, 12 ft. wide, involving 71,595 cu.yd. earth excav., 1987 cu.yd. ditching, placing, spreading, scarifying and surfacing with gravel, and building concrete drainage structures. Hess & Skinner, Southwestern Life Bldg., Dallas, engrs.

Tex., Cameron—Milam Co. plans to gravel surface and build concrete drainage structures on 9.5 mi. State Highway No. 36 A. from Bell Co. line to Robertson Co. line, 14 ft. wide. About $45,000. A. F. Mitchell, Cameron, engr.

Tex., Clarksville—Red River Co. plans to haul, place, spread and surface with gravel, 16.02 mi. Highway No. 35, from Lamar Co. line to Franklin Co. line, 14 ft. wide, cost $110,000; gravel surface 2.18 mi. Highway No. 37, running north to south, near southern part of county, 14 ft. wide, including concrete drainage structures and 3800 ft. concrete surface, $30,000. P. V. Creager, Clarksville, engr.

Tex., Fairfield—Freestone Co. plans to build and surface with sand clay, also build concrete drainage structures, on 14.657 mi. Henry Exall Highway (State Highway No. 32), from Fairfield to Leon Co. line, 24 ft. wide. About $4000 per mi. J. J. White, Fairfield, engr.

Tex., Jasper—Comrs. Jasper Co. rejected bids improving 16.21 mi. Highway No. 7 running west to county line, 16 ft. wide. Work will be readvertised. C. P. Hunter, Jasper, engr. Noted July 10.

Tex., Liberty—Liberty Co. plans to improve 2.73 mi. Sect. No. 1 and 5.72 mi. Sect. No. 2, of Highway No. 35, 16 ft. wide, including building sand clay surfaced road, concrete drainage structures and 12,600 lin.ft. creosoted timber piling. About $125,822, W. S. Bonner, New Orleans, La., engr.

Tex., Mt. Vernon—Franklin Co. soon lets contract improving 12.37 mi. Highway No. 1 from Hopkins Co. to Titus Co. line, 9 ft. wide, including gravel surfacing and building pavement and concrete drainage structures. About $52,000. Wilder & O'Neal, Chronicle Bldg., Houston, engrs. Noted Apr. 3.

Tex., Van Horn—Culberson Co. soon lets contract improving 52,506 mi. State Highway No. 12 from Van Horn north, 24 ft. wide. About $57,486. Wilder & O'Neal, Chronicle Bldg., Houston, engrs. Noted May 22.

Tex., Wharton—Wharton Co. plans to build 12.3 mi. State Highway No. 3 from Ft. Bend Co. to Colorado Co. line, 16 ft. wide. Work involves gravel surfacing (to be covered with bituminous later), building concrete drainage structures and 80 ft. steel span bridge. About $100,000. Work will be divided into 2 projects, 4 mi. Federal aid and 8.37 mi. state aid. D. B. King, Wharton, engr.

Colorado—State Highway Comn., State Museum Bldg., Denver, plans to pave 3 mi. of Lincoln Highway, south of Ft. Collins, this fall. About $75,000. J. B. Hunter, c/o State Highway Comn., engr.

N. M., Santa Fe—City having plans prepared by A. Turley, engr., for paving various streets and building storm sewers.

Idaho, Clearwater—Clearwater Dist. voted $35,000 bonds to build and improve roads. This amount, together with state and county aid, will make $125,000 available for work.

Idaho, Lewiston—Comrs. Nez Perce Co. having plans prepared by A. Burns, city engr., grading, installing cement curb and sidewalks, gutters and storm sewers in G St., from 18th to 21st Sts.; Carson St., from 18th to 21st Sts.; 7th Ave., from 14th to 21st Sts.; 8th Ave., from 13th to 21st Sts.; 9th Ave., from 14th to 18th Sts., and all intersecting streets.

Idaho, Nampa—Nampa Rd. Dist. voted $500,000 bonds to build 130 mi. main roads, cross roads and cement culverts. L. Cook, Nampa, dist. engr.

Washington—State Highway Bd., Olympia, rejected only bid received grading 7.83 mi. Central Washington Highway from Cheney to Sprague, involving 21,820 cu.yd. common and 7840 cu.yd. rock excav., 16,700 cu.yd. overhaul, 15.97 acres clearing 9.97 acres grubbing, 12,451 cu.yd. crushed rock, 152 sq-yd. concrete and 260 ft. concrete pipe. J. Allen, state highway engr.

Wash., Centralia—City plans to pave 17 blocks of Iron and Silver Sts., concrete. About $36,553.

Wash., Walla Walla—City voted $70,000 bonds to build concrete road from here to Dixie.

Ore., Ontario—City soon lets contract paving various streets, involving 51,213 sq.yd. concrete or bitulithic, 7666 lin.ft. concrete curbing and 57,656 sq.yd. mixed excav. Cost to exceed $10,000. L. C. Kelsey, city engr.

California—State voted $40,000,000 bonds to complete present and build new highways. A. B. Fletcher, Forum Bldg., Sacramento, ch. engr. Noted Mar. 6.

Cal., Eagle Rock—City plans election soon to vote on $57,000 bonds to surface 70 blocks, oil and rock screenings or crushed rock, and $33,000 bonds to make Central Ave. a boulevard. Address B. B. Martsolf, city clk.

Cal., El Centro—Imperial Co. voted $1,500,000 bonds to pave 125 mi. county highways. G. R. Wade, Brawley, ch. engr. highway comn. Noted June 12.

Cal., Ventura—Bd. Supervs. Ventura Co. plan election to vote on $500,000 bonds to pave 35 mi. county roads.

Ont., Fenelon Falls—City plans to pave 5 mi. Queen, Lindsay, Colborne and Adelaide Sts., bituminous macadam. About $20,281.

Ont., North Bay—H. J. McAuslan, town engr., soon lets contract improving Main St involving 5600 lin.ft. curbs and gutters, 14,000 sq.yd. asphalt, asphaltic concrete or bitulithic pavement on concrete base, 14,000 sq.ft. sidewalk widening, installing necessary sewer connections and renewing all water services. About $21,000.

BIDS DESIRED

Massachusetts—Until July 22, by State Highway Comn., 212 State House, Boston, building 13,500 ft. bituminous macadam road in Seekonk Twp. and 7100 ft. in Randolph Twp. A. W. Dean, state highway engr.

Rhode Island—Until July 30, by State Bd. Pub. Rds., State House, Providence, building 5 mi. Post Road in Westerly and Charlestown Twp., advertised in this issue.

Conn., Danbury—Until July 25, by City Clk., repaving roadway of Main and Ross Hill Sts., sheet asphalt on Portland cement concrete foundation; also regulating and repaving roadway of White, Elm, River and Rose Sts., napped reclipped granite blocks on concrete foundation. Advertised in this issue.

New York—Until Aug. 5, by F. S. Greene, state highway comr., Albany, improving roads in Warren Co., also completing roads in Broome, Franklin, Genesee, Rensselaer, St. Lawrence, Warren and Wyoming Counties; advertised in this issue.

N. Y., Albany—Until July 21, by Bd. Contr. & Supply, City Hall, improving Barclay St. and Delaware Ave., westerly about 720 ft., and Summit Ave. from Barclay to Federal St., granite curb, asphalt or asphaltic concrete pavement on concrete foundation; also paving with asphalt or vitr. shale blocks on concrete foundation Oneida Tr. from Norton Ave. southerly about 450 ft. I. Wachsman, secy. F. L. Lanagan, city engr.

N. Y., New York—Until July 21, by F. L. Dowling, pres. Manhattan Boro., regulating and repaving with granite block on concrete foundation roadway of Mail St. from Park Row to Bway.

N. Y., Rome—A. Plunkett, city engr., receiving bids paving Jay St. from Elm to Clinton Sts., cost, $7968; Bloomfield St. from Jay to Expense Sts., $8510; Ridge St. from George to Madison Sts., $7184; Williams St., $8337.

N. Y., South Glen Falls (Glen Falls P. O.)—Until July 21, by village, building concrete pavement with and without integral curbing, through Upper Main St. C. E. Moore, pres; advertised in this issue.

N. Y., S. I., St. George—Until July 23, by C. D. Van Name, pres. Richmond Boro., repairing with wood block pavement roadway of Richmond Terrace from York Ave. to Sailors Snug Harbor dock.

N. J., Jersey City—Until July 22, by city, repairing asphalt pavements. About $10,000. C. A. Van Keuren, city engr.

N. J., North Bergen—Until July 24, by Town Council, improving 34th and 35th Sts., bituminous concrete. About $80,000. Noted June 12.

N. J., Trenton—Until July 29, Bd. Freeholders Mercer Co., building 1600 ft. Sect. 2-A River Rd., bituminous concrete surface on macadam foundation, Hopewell Twp., involving 3786 sq.yd. paving. About $35,000. H. J. Harris, co. engr.

Pa., Gallitizen—Until July 30, by H. F. Conrad, boro. secy., building 6000 sq.yd. vitr. brick pavement on concrete base, on Church St., involving 3000 cu.yd. excav. and 175 lin.ft. stone protection curb. D. W. Dillman, 80-81 Altoona Trust Bldg. Altoona, engr.; advertised in this issue. Noted June 26.

Pa., Meadville—Until Aug. 12, by city, for 34,513 sq.yd. brick pavement and 24,518 lin.ft. concrete curb and gutter. F. G. Kiebort, clk.; advertised in this issue.

Delaware—Until Aug. 6, by State Highway Dept., Dover, building 2.01 mi. Concord Pike, New Castle Co., cement concrete, Contr. No. 19. C. M. Upham, ch. engr.; advertised in this issue.

Va., Norfolk—Until July 21, by C. E. Ashburner, city mgr., paving Plume and Church Sts., City Hall, Monticello and Princess Anne Aves., involving 40,456 sq.yd. wood block or Durax, 25,300 sq.yd. Durax and 26,500 sq.yd. sheet asphalt, etc.; advertised in this issue.

W. Va., Huntington—Until Aug. 4, by Comrs. Cabell Co. building 1 mi. Hamilton Pike Rd., 16 ft. wide, vitr. brick on 4 in. concrete base. About $32,000. J. M. Oliver, Huntington, engr.

W. Va., St. Albans—Until Aug. 16, by L. A. Edwards, city clk., for 2900 lin.ft. curb and gutter, 100 lin.ft. edging, 50 lin. ft. 12 in. tile laid, 2900 cu.yd. excav. and 7200 sq.yd. paving; advertised in this issue.

Streets and Roads (Continued)

N. C., Bayboro—Until July 21, by Comrs. Pamlico Co., constructing 7 mi. dirt road, including clearing of right-of-way. Z. V. Rawls, co. atty.

N. C., Fayetteville—Until July 29, by J. Underwood, mayor, for 21,000 sq.yd. street pavements, 1000 sq.yd. concrete gutters and building necessary drainage. E. C. Derby, city engr.; advertised in this issue.

N. C., Lexington—Until Aug. 5, by J. T. Hedrick, mayor, and Bd. Town Comrs., paving various streets involving 35,000 sq.yd. asphaltic concrete or bitulithic surface on existing macadam, 25,000 sq.yd. asphalt, bitulithic, brick or other pavement on concrete foundation, 15,000 lin.ft. granite or concrete curb, 15,000 lin.ft. concrete gutter, 10,000 sq.yd. sidewalk and 9000 cu.yd. grading. G. C. White, Durham, engr. Advertised in this issue.

N. C., Newton—Until July 22, by L. F. Long, mayor, paving various streets, involving 19,500 sq.yd. bitulithic, sheet asphalt, asphaltic concrete or one course concrete, 10,714 lin.ft. combined curb and gutter, concrete, 3000 lin.ft. 8 in. terra cotta sewer, 7000 cu.yd. excav., 3000 sq.yd. concrete sidewalks, 5951 lin.ft. 4 in. Class "B" iron water pipe laid, etc., D. B. Gaither, clk. J. W. Webb, Newton, engr.

N. C., Washington—Until Aug. 12, by W. B. Rodman, Jr., mayor, paving various streets, involving 51,000 sq.yd. asphalt, bitulithic, concrete or brick, 30,000 lin.ft. granite or concrete curb, 30,000 lin.ft. concrete gutter, 20,000 sq.yd. of sidewalk, 18,000 cu.yd. grading, 2½ mi. storm drains, 3 mi. water pipe, and 1 mi. sanitary sewer. G. C. White, Durham, engr. Advertised in this issue.

N. C., Washington—Until Aug. 12, by Comrs. Beaufort Co., paving highways, involving 270,000 sq.yd. asphalt, bitulithic, concrete or brick, 150,000 cu.yd. grading and ditching, 5000 lin.ft. pipe drains, 1500 lin.ft. box culverts, 820 cu.yd. of bridge concrete and 150,000 lbs. reinforcing bars. G. C. White, Durham, engr. Advertised in this issue.

Fla., Quincy—Until Aug. 8, by city, paving 27,000 sq.yd. Main St., also building necessary drainage structures. J. B. McCrary Co., 3rd Natl. Bank Bldg., Atlanta, Ga., engrs.

Ala., Birmingham—Until Aug. 4, by Bd. Revenue Jefferson Co., for 3 mi. grading and macadamizing on McCalla and Bucksville Rd., 4 mi. grading and 4 mi. crushed rock on Taylors Ferry Rd., 7 mi. grading on Lock 17 Rd., 2 mi. grading from Taylors Ferry Rd. to Alliance, 4 mi. cinders on road from Marine to Alliance, 4 mi. crushed rock on Oak Grove and Lock 17 Rd., 6 mi. cinders on Flat Top-Bessie Rd., 1 mi. grading from Edgewater to Macks Chapel, 6 mi. grading from Mt. Olive to Partridge Cross roads, resurfacing 3rd Ave. from 23rd to 26th Sts., and 26th St. from 1st to 8th Aves. and paving 1st Ave. from 41st to 47th Sts. and from 75th St. to Roebuck Springs. Cost between $175,000 and $200,000. S. R. Batson, co. engr.

Ala., Montgomery—Until July 29, by G. W. Barnett, city treas., paving 15,000 sq.yd. Bell St. from western end of Bell St. Bridge to city limits, brick, asphalt, bitulithic, mineral rubber, wood block, concrete or asphaltic concrete; advertised in this issue.

Louisiana—Until July 24, by State Highway Comn., New Orleans, gravel surfacing 8.35 mi. Shreveport-Arkansas Highway, from Myra to Arkansas line, Caddo Parish. D. Buie, state highway engr.

O., Columbus—Until July 29, by G. A. Borden, serv. dir., grading, draining and repaving 1200 ft. Franklin Park, W., from Broad St. to Franklin Park, S., 30 ft. wide, involving 2950 sq.yd. asphalt and 1250 sq. yr. brick gutter; grading, draining, laying water mains and paving alley west of Neil Ave. from 2nd Ave. to Taffan St., 290 ft. long, 16 ft. wide, concrete. H. A. Maetzel, city engr.

O., Greenspring—Until July 22, by F. B. Reed, village clk., for 2000 cu.yd. excav., 2400 tons crushed rock foundation, 14,000 sq.yd. brick paving, 4500 lin.ft. stone curbing, 4900 lin.ft. stone curbing reset and 500 lin.ft. storm sewer. L. A. Boulay Co., 1250 Nicholas Bldg., Toledo, engrs.; advertised in this issue.

Michigan—Until July 22, by State Highway Comn., Lansing, grading, draining, gravel surfacing, shaping and building drainage structures on 3.780 mi. State Trunk Line Rd. in St. Ignace Twp., Mackinaw Co., and 5 mi. State Trunk Line Rd. between Pickford and Rudyard, Chippewa Co., both 16 ft. wide. F. F. Rogers, comr.

Mich., Kalamazoo—Until July 28, by H. H. Freeman, city mgr., paving 22,000 sq.yd. and curbing and guttering 13,000 lin.ft. Oakland Dr., brick, sheet asphalt or asphaltic concrete; Noted May 29; advertised in this issue.

Illinois—Until July 23, by Dept. Pub. Wks. & Bldgs., Div. of Highways, Springfield, building roads in following counties:

Ogle Co., 23,194 ft. Sect. 10, Lincoln Highway, 16 ft. wide.

Ogle-Lee Counties, 32,921 ft. Sect. 11, Lincoln Highway, 16 ft. wide.

Cook Co., 28,362 ft. Sect. A, Chicago-Joliet Highway, 18 and 24 ft. wide, 350 sq.yd. 3-in. sand-cement brick pavement with bituminous filler.

Putnam Co., 30,675 ft. Sect. C, and 3372 ft. Sect. F-29, Morris-Henry Highway, 26 ft. wide, graded earth.

Bureau Co., 26,269 ft. Sect. D and 17,176 ft. Sect. J, Morris-Henry Highway, 26 ft. wide, graded earth.

Madison Co., 18,599 ft. Sect. I, 14,518 ft. Sect. Q, 19,794 ft. Sect. U and 26,574 ft. Sect. W-15 d, Springfield-East St. Louis Highway, 18 ft. wide.

Macoupin Co., 25,840 ft. Sect. 4, 16 ft. wide, and 12,988 ft. Sect. J-15 d, 16 and 18 ft. wide, Springfield-East St. Louis Highway.

Fayette Co., 27,800 ft. Sect. V National Highway, 16 ft. wide.

Alternate bids will be received on Portland cement concrete, 4 in. monolithic brick, 3 in. monolithic brick, Spec. C1, C2, C3 or C4 bituminous concrete with binder course, except where otherwise noted. F. I. Bennett, dir.; advertised in this issue.

Ill., Chicago—Until July 23, by Bd. Local Impvts., paving following streets:

Archer Ave. from Kedzie to Central Park Aves., 5200 cu.yd. grading, 1028 sq.yd. granite block pavement on 6 in. concrete base, 11,220 sq.yd. vitr. brick on 6 in. concrete base, 6700 ft. concrete curb, etc. About $44,500;

South Bishop St. from West 59th to West 60th Sts., 800 cu.yd. grading, 2450 sq. yd. 8 in. slag or traprock on 2½ in. granite base, 1400 ft. concrete curb, $7500;

Brompton Ave. from Bway. to North Halsted St., 700 cu.yd. grading, 2130 sq.yd. asphalt on 6 in. concrete base, 1380 ft. concrete curb, etc., $8600;

Cambridge Ave. from Diversey Pkway. to Surf St., 600 cu.yd. grading, 1500 sq.yd. asphalt on 6 in. concrete base, 970 ft. concrete curb, etc., $5500;

Carmen Ave. from Albany to Kedzie Aves., 1870 sq.yd asphalt on 6 in. concrete base, 1100 cu.yd. filling, 1340 ft. concrete curb, etc., $7000;

Carroll Ave. from St. John's Court to Ashland Ave., 800 cu.yd. grading, 1470 sq. yd. asphalt on 6 in. concrete base, 740 ft. concrete curb, etc., $7680;

West Congress St. from Talman Ave. to Washtenaw St., 250 cu.yd. grading, 580 sq. yd. asphalt on 6 in. concrete base, 360 ft. concrete curb, etc., $2700;

Fairoaks St. from Hazel St. to Bway., 600 cu.yd. grading, 1690 sq.yd. asphalt on 6 in. concrete base, 1240 ft. concrete curb, etc., $7000;

Homer St. from Albany to Kedzie Aves., 480 cu.yd. grading, asphalt on 6 in. concrete base, 870 ft. concrete curb, etc., $4500;

Hutchinson St. from Lockwood to Long Aves., 700 cu.yd. grading, 1650 sq.yd. asphalt on 6 in. concrete base, 1230 ft. concrete curb, etc., $7000;

Keystone Ave. from Lawrence Ave. to Argyle St., 2000 cu.yd. grading, 3630 sq.yd. asphalt on 6 in. concrete base, 2600 ft. concrete curb, etc., $17,500.

North Menard Ave. from Hirsh St. to North Ave., 3100 cu.yd. grading, 4310 sq.yd. asphalt on 6 in. concrete base, 2700 ft. concrete curb, 160 ft. 10 in. tile sewer, $17,000;

Potomac Ave. from Springfield St. to Crawford Ave., 978 cu.yd. grading, 1410 sq.yd. asphalt on 6 in. concrete base, 1100 ft. concrete curb, etc., $7000;

State St. from Madison to Randolph Sts., 4000 sq.yd. creosoted wood block on 8 in. concrete base, $20,500;

St. Louis Ave. from Carmen to Foster Sts., 1950 cu.yd. grading, 3020 sq.yd. asphalt on 6 in. concrete base, 2100 ft. concrete curb, etc., $12,200;

Wabausia Ave. from Kedzie Ave. to Chicago, Milwaukee & St. Paul R.R. tracks, 4700 cu.yd. grading, 11,420 sq.yd. asphalt on 6 in. concrete base, 210 ft. 10 in. tile sewer, 7120 ft. concrete curb, etc., $33,858;

West 42nd St. from Ashland to Marshfield Aves., Marshfield Ave. from West 42nd to West 43rd Sts., 2050 cu.yd. grading, 3750 sq.yd. granite block pavement on 6 in. concrete base, 1920 ft. concrete curb, etc., $27,000.

North Latrobe, North Lockwood and North Long Aves. from Grand to Fullerton Aves.; Dickens St. from Laramie to Lockwood Aves.; Palmer and Belden Aves. from Laramie to Long Aves., 16,850 cu.yd. grading, 31,600 sq.yd. asphalt on 6 in. concrete base, 25 ft. 10 in. tile sewer, 20,300 ft. concrete curb, etc., $159,000;

North Fairfield Ave. from Granville to Devon Aves.; North California Ave. from Paterson to Devon Aves.; Glenlake and Rosemont Aves. from Fairfield to California Aves., 8000 cu.yd. grading, 18,400 sq.yd. asphalt on 6 in. concrete base, 9660 ft. concrete curb, $76,000;

East 103rd and East 104th Pl. from Cottage Grove to Corliss Aves.; East 104th St. from Cottage Grove to Bessemer Aves., East 105th and East 106th Sts. from Cottage Grove to Erickson Aves.; East 105th Pl. from Stephenson to Corliss Aves.; East 107th St. from Cottage Grove to Langley Aves.; Stephenson Ave. from Cottage Grove Ave. to East 108th St.; Langley Ave. from East 105th Pl. to East 108th St.; Corliss Ave. from East 103rd to East 106th St.; Erickson Ave. from East 104th to East 106th St., 18,000 cu.yd. grading, 51,990 sq yd. 8 in. blast furnace slag on 2½ in. traprock, 29,110 ft. concrete curb, etc., $121,500;

Wrightwood Ave. from Lake View Ave. to North Clark St.; Dole Ave. from Lehman Court to North Clark St.; Pine Grove Ave. from Wrightwood Ave. to Surf St.; Hampton Court from Deming to Diversey St.; Lehman Court from Wrightwood Ave. to Diversey St., 6000 cu.yd. grading, 15,160 cu.yd. asphalt on 6 in. concrete, 9750 ft. concrete curb, etc., $61,000.

Wisconsin—Until July 22, by State Highway Comn., 208 Stephenson Bldg., Milwaukee, improving Milwaukee-Waukesha Rd., Federal Aid Project No. 63, Waukesha Co., involving 1441 cu.yd. earth excav., 9742 sq.yd. concrete surfacing, etc.

Minn., Cass Lake—E. Ganley Constr. Co., 1002 Plymouth Bldg., Minneapolis, receiving bids for 10,000 yd. paving, 4000 lin.ft. curbing, 12 blocks sidewalk and 2500 yd. excav., here. About $25,000.

Minn., Duluth—Until July 21, by J. W. Lang, clk. White Twp., paving 1.1 mi. road, 18 ft. wide. About $30,000. C. M. Dorway, Eveleth, engr.

Minn., Duluth—J. A. Farrell, comr., receiving bids paving 64th Ave., W., from Grande Ave. to Roosevelt St., 24 ft. wide. About $22,408. L. Ayres, city engr.

Minn., Grand Rapids—F. McVicar, city aud., receiving bids paving 3½ blocks Houghton Ave., concrete. About $10,000. P. C. Warner, Grand Rapids, engr.

Minn., St. Paul—Until July 21, by H. W. Austin, purch. agt., City Hall, grading and building cement tile sidewalks on Chilcome Ave. between Keston and Deswell Aves.

Kan., Seneca—Until Aug. 4, by city, paving 6 blocks of Main St., involving 14,521 sq.yd. vitr. fibre brick, concrete or asphaltic concrete pavement, 6000 ft. combined curb and gutter, 6351 ft. 10-33 ft. storm sewers, 19 manholes and 61 catch basins. Archer & Stevens, New England Bldg., Kansas City, Mo., engrs.

Neb., David City—Until Aug. 4, (change of date), by M. J. Bouse, clk. Butler Co., paving 4360 ft. road from here to Osceola and Schuyler, 18 ft. wide, involving 8728 sq.yd. concrete and 242 cu.yd. concrete cutoff walls. About $27,000. G. E. Johnson c/o State Highway Dept., Lincoln, engr. Noted June 12.

Neb., Fremont—Until Aug. 4, (change of date), by W. E. Barz, clk. Dodge Co., paving 5.94 mi. Fremont-Ames Rd., 18 ft. wide. Work involves 62,606 sq.yd. and 256 lin.ft. 18 in. concrete pipe. About $160,000. G. E. Johnson, c/o State Highway Dept., Lincoln, engr. Noted May 22.

Neb., Polk—Until July 28, by W. H. Smith, city clk., paving 25,000 yd. streets, 26 to 40 ft. wide, 4 in. base if brick is used, 5 in. base if asphalt is used. About $100,000. Grupe & Walter, 204 Bee Bldg., Omaha, engrs.

Neb., Tecumseh—Until July 29, by W. J. Devenney, city clk., paving various streets, involving 9272 cu.yd. grading, 20,664 sq.yd. paving, 220 concrete driveways, 6254 lin. ft. Class "A" and 1905 Class "B" curb and gutter, etc. R. C. Gore, city engr.

Streets and Roads (Continued)

Arkansas—Until Aug. 6, by State Highway Dept., Little Rock, surfacing 10.7 mi. Little Rock-Hot Springs Highway, Pulaski Co., 14-18 ft. wide, involving 113,500 sq.yd. asphaltic concrete or Portland cement concrete and 35,000 tons stone for base. Lund & Hill, Little Rock, engrs.; advertised in this issue.

Ark., Marion—Until July 24, by Bd. Comrs. of Rd. Impvt. Dist. No. 9, Crittenden Co., building 11 mi. earth road embankment. Morgan Eng. Co., Goodwyn Institute Bldg., Memphis, Tenn., engrs.

Ark., Marshall—Until July 28, by Comrs. Rd. Impvt. Dist. No. 3, Searcy Co., improving 13 mi. Marshall-Snowball Highway, involving 90,000 cu.yd. excav., 400 lin.ft. 24 in. pipe, 30 acres clearing and grubbing, 500 cu.yd. solid rock excav., 350 lin.ft. timber trestle bridging, 370 lin.ft. steel bridges (all over 100 ft.), 250 cu.yd. rein.con. in culverts, 250 cu.yd. plain concrete in piers and headwalls and 15,000 cu.yd. crushed stone. Bids will be received on work as whole or separately on (1) clearing, grubbing, grading, pipe culverts and trestle bridges, (2) all concrete work, (3) steel bridges, erected, (4) surfacing with stone. Winn Eng. Co., 207-8 Riegler Bldg., Little Rock, engr.

Ark., Osceola—Until July 25, by Bd. Comrs. of Burdette Rd. Impvt. Dist. No. 3, Mississippi Co., building 26 mi. graded earth roads. Pride & Fairley, Osceola, engrs.; advertised in this issue.

Ark., Walnut Ridge—Until Aug. 18, by Comrs. Western Lawrence Co. Rd. Impvt. Dist., Peoples Bank Bldg., Imboden, building 4 systems of roads involving 60 mi. grader work, 56 acres clearing and grubbing, 137,700 cu.yd. earth and 4500 cu.yd. rock excav., 10,056 ft. 15-30 in. metal, vitr. clay or concrete pipe culverts, 1328 cu.yd. Class "A" and 324 cu.yd. Class "B" concrete, 66,400 lb. reinforcing steel, 693 lin.ft. timber bridges and 82,960 cu.yd. local crushed rock surfacing. Pritchett & Hight Walnut Ridge, engrs.; advertised in this issue.

Ark., Wynne—Until July 22, by Rd. Impvt. Dist. No. 1, Cross Co., building 10.6 mi. gravel road, involving 13,500 cu.yd. grading and 26,600 cu.yd. gravel. J. A. Guissinger, Wynne, engr.

Idaho, Lewiston—Until July 21, by City Clk., laying 16,900 sq.ft. 4 in. concrete walk, involving 5200 cu.yd. embankment, 3640 lin.ft. concrete curb and gutter, 90 cu.yd. excav. and back fill, tearing up 14,300 ft. concrete walk, 240 ft. 10 in. vitr. pipe, etc. A. Burns, city engr.

Utah, Farmington—Until Aug. 15, by City Comrs., paving sidewalks in Dist. No. 3, involving 76,500 sq.ft. 4 in. and 5700 sq.ft. 5 in. concrete sidewalks. About $20,000. Caldwell & Richards, Vermont Bldg., Salt Lake City, engrs.

Utah, Salt Lake City—Until July 25, by City Comrs., improving 7th St. E., from 5th to 13th Sts., involving 26,750 sq.yd. asphalt on 6 in. concrete base, cost $114,000; 6th Ave. from H to N Sts. and N St. from 3rd to 6th Sts., 15,000 sq.yd. bituminous, 2 in. thick, on 6 in. concrete base, $70,000; curbing and guttering extension No. 24, 55,000 lin.ft. curbing and guttering and 8300 lin.ft. of 24-36 in. storm-sewer, $243,000; 13th St. from State to 5th East Sts., 5 ft. by 4 ft. rectangular storm to be built 3000 ft. long, top of which is to be used for sidewalk, $30,000. S. O. Cannon, City and County Bldg., engr.

Ont., Gloucester—Town receiving bids building 17,425 lin.ft. sidewalks on Prince Albert and Queen Mary Sts., 4 ft. wide. Peterson & Byrne, 71 Sparks St., Ottawa, engrs.

Ont., Ottawa—Until July 22, by Bd. Control, paving Bank St. from Grove St. to Billings Bridge, involving 6700 sq.yd. asphalt, 2752 lin.ft. concrete gutter and 7000 sq.yd. concrete grading; Millbrod St., from Nicholas to Charlotte, 8080 lin.ft. concrete gutter, 13,645 sq.yd. asphalt and 14,545 sq.yd. concrete grading; Slater St. from Bay to Bronson Aves., 1546 lin.ft. concrete gutter, 2690 sq.yd. asphalt and 2800 sq.yd. concrete grading. A. J. McCallum, City Hall, engr. Noted June 12.

Ont., Ottawa—Until July 22, by Bd. Control building asphalt pavement on Bessemer St. from Nicholas to Charlotte Sts. Work involves 12,568 sq.yd. asphalt on 6 in. concrete base, 8240 lin.ft. concrete gutter, 13,530 sq.yd. grading, 12,568 sq.yd. binder, 420 lin.ft. headers and 60 concrete catchbasins. A. F. McCallum, City Hall, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Massachusetts—State Highway Comn., Boston, let contrac building 4800 ft. road in Dudley Twp., involving 4700 gal. bituminous materials, 6400 cu.yd. earth and 160 cu.yd. rock excav., to Downey & Toomey, Dudley, $18,737; 10,000 ft. in Quincy Twp., 46,500 gals. bituminous materials, 1360 cu.yd. earth excav., to E. C. Sargent & Co., Quincy, $31,408.

Mass., Attleboro—City received bids paving 1 mi. road from J. McCormick, Taunton Ave., East Providence, $18,300, asphalt penetration method; W. H. Connor, Middleboro, $13,116, asphalt gravel mixture. Noted June 12.

★Mass., Boston—City let contract paving West Bway., to Bermudez Co., Cambridge, $18,780. Work involves 2700 sq.yd. asphalt pavement on 7 in. concrete base.

★Mass. Worcester—City will improve 2827 ft. Belmont St., involving 16,270 sq.yd. granite block on 5 in. concrete base, 7800 sq.yd. asphalt, 6170 lin.ft. granite curbing, 920 cu.yd. gravel sidewalk and 5400 cu.yd. excav. About $142,000. Work will be done by day labor.

Connecticut — State Highway Comn., Hartford, received bids, July 10, paving (a) 7400 ft. Hall Meadow Rd., Norfolk Twp., (b) 4700 ft. Chesterfield Rd., Montville Rd., (c) 4770 ft. Newent Rd., Lisbon Twp., (d) 5000 ft. Station Rd., Brookfield Twp., all 7 in. native stone macadam, (e) 10,980 ft. Colebrook Rd., Winchester Rd., 5 in. native stone macadam, (f) 59,050 ft. Norwich-Westerly Highway, Federal Aid, Bethel, Redding and Easton Twps., 3 in. bituminous macadam, (g) 6965 ft. Pembroke Rd., Danbury Twp., (h) 4050 ft. Oxford Rd., Southbury Twp., 8 in. gravel, from L. Longhi & Bro., Torrington, (a) $35,349, (d) $14,745, (e) $27,652, (g) $20,949, (h) $9549; J. DeMiehiel, Torrington, (a) $40,155, (e) $40,056; Osborne & Barnes, 20 West St., Danbury, (a) $48,227, (d) $17,176, (g) $23,986, (h) $13,605; J. Arborio, 80 Park St., New Haven, (b) $18,944, (c) $24,413, (h) $10,774; Lane Constr. Co., Meriden, (b) $20,182, (c) $23,972; Gildo Valli, Torrington, (e) $32,954; L. J. Wilcox, Norwichton, (e) $21,617; Francesco Valerio, R. D. No. 30, Stamford, (f) $314,455; W. H. Arthur, Stamford, (f) $357,149; F. B. Hastings, 1200 Wood Ave., Bridgeport, (g) $15,862, (h) $8575; Knapp & Hatch, R. F. D., Danbury, (g) $17,328; B. N. Beard, 464 Howe Ave., Shelton, (h) $8355; Interstate Constr. Co., 272 Main St., Derby, (h) $12,497.

★Connecticut — State Highway Comn., Capitol, Hartford, let contract improving 9722 lin.ft. Lebanon-North Franklin Rd., Lebanon Twp., involving 6900 ft. 7 in. native stone macadam and 2822 ft. reconstructed macadam to L. Suzio Constr. Co., State and Brooks Sts., Meriden. About $28,000. Noted June 19.

★Conn., Hampden— (Hartford P. O.)—City let contract paving 15,000 sq.yd. Dixwell Ave., concrete, to C. W. Blakeslee & Son, 58 Waverly St., New Haven. About $45,000.

★New York—State Highway Comn., Capitol, Albany, let contracts improving following roads: 3.98 mi. Schenectady Co. Line-Guilderland Rd., No. 5636, Albany Co., to Brown, Lowe & Parker, Schenectady, $113,751; 5.84 mi. Vanhornesville-Starkville Rd., No. 1362 and 5.67 mi. Paines Hollow-Stone House Rd. No. 1363, Herkimer Co., F. V. Brotsch Co., Rochester, $213,423 and $193,112 respectively; 0.45 mi. North Western Boonville Rd., Pt. 3, No. 1462, Oneida Co., D. J. Phelan & Co., Utica, $28,283; 3.33 mi. Westchester Co. Line-Lake Mahopac, Mahopac Falls Rd., No. 1512, Putnam Co., S. Beskin, Beacon, $83,175; 1.52 mi. Walt Corners Lape Corners Rd. No. 1523, Saratoga Co., Harradine Bros. Co., Inc., Spencerport, $38,683; 6.03 mi. Wales Center-Wales Rd. No. 924-B, Erie Co., Felton Constr. Corp., Buffalo, $81,485; 6.07 mi. Solon-Gee Brook Rd., Pt. 1, No. 1435, Cortland Co., D. W. Robbins, Inc., Utica, $111,470; 5.01 mi. Tupper Lake-Long Lake Rd., Pt. 1, No. 1258, Hamilton Co., Rosoff Eng. Co., 15 Park Row, New York City, $91,669; 8 mi. Cambria-Wilson Rd. No. 1315, Niagara Co., F. J. Mumm Contg. Co., Inc., Buffalo, $129,755; 5.62 mi. Schenectady-Duanesburg Rd., Pt. 2, No. 5545, Schenectady Co., J. J. Malloy, Schenectady, $66,450; 5.85 mi. Sodus-Alton Rd. No. 5632, Wayne Co., Hendrickson-McCabe Constr. Co., Syracuse, $8518; [illegible] Rd. No. 490, Repair Contr. No. 1200, Rensselaer Co., Troy Contg. Co., Inc., [illegible], $85,689 Rd. No. 16, Repair Contr. No. [illegible]224, Ulster Co., J. F. Gallagher, Kingston, $54,295. Noted July 10.

N. Y., Albany—Bd. Contr. & Supply, City Hall, received lowest bid paving Bway. with redressed and dressed granite blocks from P. W. Mulderry, 5 St. Joseph's Terrace, $172,692; Bancker St. et al., asphalt and vitr. blocks, M. F. Dollard, Manning Blvd., N., $114,519.

★N. Y., Binghamton—Bd. Contr. & Supply let contracts paving North Depot St. granite blocks, to E. V. Chappelle, $12,304 Birch and Collier Sts., both brick, to G. Serafina, $9575, and $10,140 respectively.

N. Y., Buffalo—S. H. Norton, city engr., received bids paving (a) Thorton St., (b) Breckenridge St., (c) Floss Ave., (d) Tiff St., (e) Harriet St., (f) Zenner St., (g) Argus St., (h) Cornwall St., (i) Cassey St., from Rock Asphalt & Constr. Co., Morgan Bldg., (a) $15,333, (b) $7034, (c) $31,047, (d) $22,309, (e) $24,964, (f) $11,038, (g) $12,057, (i) $3252; Erie Contg. Co., Morgan Bldg., (a) $15,400, (b) $8000, (d) $22,600, (e) $25,000, (h) $38,600; B. F. Spire, 24 Colonial Circle, (a) $16,006, (c) $35,002 (d) $22,200, (f) $11,252, (g) $11,701, (h) $37,997; H. P. Burgard Co., 1968 Fillmore Ave., (c) $34,590, (e) $25,165, (f) $11,185 (g) $12,140, (h) $35,900. Noted May 29.

★N. Y., Ilion—Bd. Trustees let contract paving Hoefler Ave., Railroad, Spruce, Elm 4th, Grove and Center Sts. and Weber Ave. to high school, to Warren Bros., 142 Berkeley St., Boston, Mass., $53,270.

N. Y., New York—H. Bruckner, pres. Bronx boro., received bids repaving with sheet asphalt (a) Creston Ave., from East 168th to East 189th Sts., (b) Hughes Ave. from East Tremont Ave. to Fordham Rd. from Union Paving Co., Bway. and 11th St., (a) $45,967; Uvalde Constr. Co., Bway., (a) $47,142, (b) $67,500; Asphalt Constr. Co., 2197 Madison Ave., (a) $47,183 (b) $65,000; Davney Asphalt Paving Co., 1170 Bway., (b) $64,311.

N. Y., New York—F. L. Dowling, pres. Manhattan Boro., received lowest 3 bids regulating and repaving roadways of (a) Bway. on Park Pl., sheet asphalt, (b) Duane St., from Bway. to West Bway., (c) Reade St., from Elm St. to West Bway., (d) North Chamber St., from Park Row to Madison St., and Madison St. to Cherry St., (e) Murray St., from Bway. to West Bway., (f) Grand St., from Contre to Baxter Sts., all granite blocks, from Sicilian Asphalt Paving Co., 41 Park Row, (a) $4307; Uvalde Asphalt Paving Co., 1 Bway., (a) $4601; W. F. Fitzgerald, 547 West 45th St., (b) $22,946, (c) $35,996 (d) $56,903, (e) $25,662, (f) $5580; P. J. Kerns, (b) $23,683, (c) $37,222, (d) $57,382, (e) $26,404, (f) $5382; Asphalt Constr. Co., 2197 Madison Ave., (b) $23,708, (c) $38,205, (e) $27,147; Burnside Constg. Co., 270 Burnside Ave., (d) $57,142, (f) $5394.

N. Y., Rochester—Bd. Contr. & Supply received lowest bid paving Norton St., asphalt, from J. Petrossi Co., Livingston Bldg., $87,416.

N. Y., S. I., St. George—C. D. Van Name, pres. Richmond Boro., received bids paving with bituminous macadam space between rails of tracks and 2 ft. in width outside of inner rails on Richmond Rd., south of Clove Ave. and Amboy Rd., from J. Johnson Sons, West New Brighton, $33,295; J. Curren, $35,787; C. Vanderbilt, 24 Elizabeth St., West New Brighton, $38,505.

★N. Y., Syracuse—Bd. Contr. & Supply let contract resurfacing Cortland and South Aves. and Grape and South West Sts., to T. B. Wheeler, $65,359. Noted June 19.

New Jersey—State Highway Comn., Broad St. Bank Bldg., Trenton, received bids building State Highway Route No. 3, Three Mile Run to One Mile Run, Middlesex and Somerset Counties, from O. G. Julian Eng. & Constr. Co., 20 Nassau St., New York City, $201,485; Tappert & Seliknitz, 26 Courtlandt St., New York City, $209,099; M. I. Demarest, Sewarren, $209,945. Noted June 26.

N. J., New Brunswick—Bd. Freeholders Middlesex Co., received bids paving Main St., Milltown Twp., Warrenite on concrete base, from T. H. Riddle, 102 Church St., $63,955; Utility Constr. Co., Peoples' Bank Bldg., Pittsburgh, $72,377; G. Gundrum, South Amboy, $73,000.

Streets and Roads (Continued)

N. J., Jersey City—City received lowest bid improving 10th St. between Erie and Grove Sts., Belgian block on 6 in. concrete base, from E. J. Flaherty Co., 76 Montgomery St., 97 per cent of $10,000 (engineer's estimate). Noted June 26.

Pennsylvania — State Highway Dept., Harrisburg, received bids building roads in counties as follows:

Bradford Co., 45,051 lin.ft. rein.-con. or bituminous surface course and Hillside vitr. brick on concrete foundation, from Towanda Constr. Co., New Albany, $434,985, MacArthur Bros. Co., 120 Bway., New York City, $443,080, T. H. Gill Co., Security-Mutual Bldg., Binghamton, $443,812;

Butler Co., 41,673 lin.ft. rein.-con. and Hillside vitr. brick, from C. Winters Constr. Co., R. F. D. No. 2, Renfrew, $351,334, Atlanta Constr. Co., Atlanta, N. Y., $401,560, Booth & Flynn, Ltd., 1942 Forbes St., Pittsburgh, $410,075;

Clearfield Co., 13,027 lin.ft. rein.-con. and Hillside vitr. brick, from Foundation Co., 233 Bway., New York City, $138,587;

Lehigh Co., 30,079 lin.ft. rein.-con. and Hillside vitr. brick, North Whitehall and Washington Twps., from J. F. Shanley, 605 Lincoln Bldg., Phila., $239,612, G. H. Hardner, Lentz Bldg., Allentown, $248,308, Mainwaring & Cummins, Inc., 5600 Germantown Ave., Phila., $262,524; 16,218 lin.ft. rein.-con., Salisbury Twp., from Hamilton-Kapnek Constr. Co., 1363 Ridge Ave., Phila., $97,231, R. S. Ratbun Constr. Co., 409 Vine St., Bethlehem, $112,711, Mainwaring & Cummins, Inc., $122,886;

Luzerne Co., 22,705 lin.ft. rein.-con. and Hillside vitr. brick, from Hamilton-Kapnek Constr. Co., $163,620, Richardson-Hand Co., Wilkes-Barre, $166,714, B. G. Coon Coon Constr. Co., 274 Union St., Luzerne, $169,435;

Somerset Co., 10,554 lin.ft. rein.-con. and Hillside vitr. brick, Elklick Twp., from B. J. Lynch & Co., Inc., Meyersdale, $92,905; 32,024 lin.ft. rein.-con. and Hillside vitr. brick, Jennertown Boro. and Jenner Twp., from Woy Bros., Somerset, $292,428, Trimpey & Whipkey, Casselman, $304,583, Mason & Hangar Co., Inc., Chambersburg, $322,174;

Sullivan Co., 17,412 lin.ft. bituminous surface course and Hillside vitr. brick or rein.-con., from R. D. Richardson Constr. Co., 828 Connell Bldg., Scranton, $153,315, Valley Constr. Co., Athens, $169,789, T. L. Evans Sons, 344 Ferry St., Danville, $196,514;

Susquehanna Co., 30,335 lin.ft. rein.-con. from M. Stipp & Sons, 435 Moir Court, Scranton, $223,673, E. W. Foley Contg. Corp., 34 Vine St., New York City, $232,877, Foundation Co., $268,220;

Wyoming and Lackawanna Counties, 71,063 lin.ft. rein.-con. or bituminous surface course on concrete foundation, from R. C. Puthven, 213 Carter Bldg., Scranton, $437,531, Gaylord International Eng. & Constr. Co., Cedar and Orchard Sts., Scranton, $447,666, Winston & Co., 240 Fair St., Kingston, N. Y., $483,415;

York Co., 32,744 lin.ft. rein.-con. and Hillside vitr. brick, from J. Goll, 1539 Filbert St., Phila., $254,388, Quinlan & Robertson, Inc., Hamburg, $279,019, D. C. McAleer 405-6 Phoenix Bldg., Baltimore, $285,299. Noted June 19.

★**Pennsylvania**—State Highway Dept., Harrisburg, let contracts to Mainwaring & Cummins, Inc., 5600 Germantown Ave., Phila. building 14,863 lin.ft. rein.-con. road in Bucks Co., $111,876; to Foundation Co., 233 Bway., New York City, 2903 lin.ft. rein.-con. road in Clinton Co., $28,842; to Union Paving Co., 20th and Locust Sts., Phila., 24,900 lin.ft. rein.-con. road in Delaware Co., $175,750; to Mason & Hangar Co., Inc., Chambersburg, 30,197 lin.ft. rein.-con. road in Fayette Co., $304,483; to Harrison & Co., Inc., Derry, 37,885 lin.ft. rein.-con. and Hillside vitr. brick road in Somerset Co., $410,241; to Warren-Moore Co., Colonial Trust Co. Bldg., Phila., 28,821 lin.ft. rein.-con. road in Tioga Co., $267,468. Noted June 19.

Pa., Palmerton—Boro. received bids improving streets as follows: (a) concrete on stone base, (b) concrete on slag base, (c) brick on stone base, (d) brick on slag base, (e) Amiesite on stone base, (f) Amiesite on slag base, from R. E. & E. H. Neumeyer, 1416 East 4th St., South Bethlehem, (a) $122,644, (b) $115,684, (c) $165,310, (d) $158,351, (e) $139,589, (f) $132,630; Richardson Constr. Co., Connell Bldg., Scranton, (a) $133,764, (b) 131,040; S. W. Chiles, Bethlehem, (a) $113,582, (b) $110,556, (c) $151,104 (d) $148,078, (e) $122,962, (f) $119,936; McInerney-McNeil, North Natl. Bank Bldg., Easton, (a) $126,538, (b) $122,906, (e) $130,471, (f) $126,840; S. L. Cyphers, South Bethlehem, (a) $113,087, (b) $109,154, (c) $156,057, (d) $152,123, (e) $136,388, (f) $132,454. Noted June 26.

★**Pa., Pittsburgh**—City let contract to M. O'Herron, South 1st and McKean Sts., grading, paving and curbing Montooth St. from Climax St. to Taff Ave., $30,138; Silvania St. from Taff to Gehring Aves., $13,410; Marshall Ave. from Linwood Ave. to Brighton Rd., $68,393. Noted July 3.

★**Maryland**—State Rds. Comn., 601 Garrett Bldg., Baltimore, let contract resurfacing with sheet asphalt 1.72 mi. Sparrows Point Rd., 16 ft. wide, 3 ft. shoulders, to P. Flanigan & Sons, Harford Rd. and Baltimore & Ohio R.R., $36,194.

★**W. Va., Lewisburg**—Comrs. Greenbrier Co. let contract building 2 mi. Marlins-Buttom Turnpike, 16 ft. wide, involving 18,800 sq.yd. penetration macadam, to Dougher & Johnston, White Sulphur Springs. About $27,000.

★**N. C., Greensboro**—City let contract paving various roads, involving 90,000 sq.yd. asphalt on concrete base, to R. G. Lassiter Co., Oxford. About $200,000, based on square yard.

★**N. C., Waynesville**—Comrs. Haywood Co. let contract surfacing with gravel and sand clay 8.5 mi. roads, 16 ft. wide, to Gibson Constr. Co., Knoxville, Tenn. About $50,000. Noted July 3.

★**S. C., Greenwood**—Comrs. Greenwood Co. let contract relocating, grading, draining and surfacing with top soil 7.29 mi. Dixie Highway from here to Hodges, 30 ft. wide, to Milford & Alexander, Greenwood, $26,682. Noted July 3.

★**La., Krotz Springs**—Bd. Supervs. Rd. Dist. No. 1, 4th Police Jury Ward of St. Landry Parish, rejected bids building Krotz Springs Highway. Work will be done by day labor. Noted June 19.

Ohio—State Highway Comn., Columbus, received bids July 11, building roads in following counties:

Columbiana Co., Sect. "E," Cleveland-East Liverpool Rd., 3 mi. grading and paving with concrete and waterbound macadam, Campbell Bros., Stambaugh Bldg., Youngstown, $81,838; C. L. Straw, Paulding, $82,687; J. C. Devine Co., Alliance, $84,500.

Columbiana and Mahoning Counties, Sect. "J," Salem-Alliance Rd., 4.12 mi., grading, constructing bridges and culverts and paving with brick; J. D. Paxson, Salem, $144,668.

Crawford Co., Sect. "M-1," Bucyrus-Galion Rd., 1.74 mi. grading, constructing bridges and culverts and paving with bituminous macadam, Scott, Fike & McNab, Ashland, $49,613; Highway Constr. Co., Elyria, $50,327; W. M. Gray, Bowling Green, $50,429; semi-monolithic brick, L. R. McMichael, Bucyrus, $67,164.

Sect. "M-2," Galion-Bucyrus Rd., 2.73 mi., grading, constructing bridges and culverts and paving with bituminous macadam, Scott, Fike & McNab, $83,184; Highway Constr. Co., $85,474; W. M. Gray, $83,696; semi-monolithic brick, L. R. McMichael, $110,189.

Defiance Co., Sect. "E," Hicksville-Defiance Rd., 3.21 mi. grading, constructing bridges and culverts and paving with rein.-con., Turritan & Figley, Evansport, $84,489; Sect. "F," Hicksville-Defiance Rd., 2.04 mi. grading, constructing bridges and culverts and paving with rein.-con., Turritan & Figley, $53,300.

Delaware Co., Sect. "L," Columbus-Sandusky Rd., 6.18 mi., grading, constructing bridges and culverts and paving with bituminous macadam, S. C. Kissner & Sons, Delaware, $146,638; Dickerson & McNamara, Delaware, $147,633; rein.-con., H. P. Streicher & Co., 319 Terminal Bldg., Toledo, $191,435; Richard H. Shafer Co., Findlay, $191,900.

Fayette Co., Sect. "A," Columbus-Washington C. H. Rd., 5.01 mi., grading, constructing bridges and culverts and paving with waterbound macadam, Bean & Co., Highland, $99,792; Wilson Eng. & Constr. Co., Xenia, $102,646; P. D. Van Camp, Camp Denison, O., $103,137; bituminous macadam, P. D. Van Camp, and Fred M. Mark, Washington C. H., each $113,534.

Sect. "B," Columbus-Washington C. H. Rd., 3.68 mi., grading, constructing bridges and culverts and paving with waterbound macadam, P. D. Van Camp, and O. M. Junk, Chillicothe, $77,172 each; W. Huber, Tippicanoe City, $72,684; bituminous macadam, W. Huber, $80,264; P. D. Van Camp and O. M. Junk, $84,754 each.

Sect. "C," Columbus-Washington C. H. Rd., 4.11 mi., grading, constructing bridges and culverts and paving with waterbound macadam, W. H. Ringwald Sons Co., Chillicothe, $85,879; Neff & Rader, Circleville, $86,067; P. D. Van Camp, $87,219; bituminous macadam, Neff & Rader, $94,513, W. H. Ringwald Sons Co., $94,709; P. D. Van Camp, $95,664.

Guernsey Co., Sect. "I-1," Cambridge-Caldwell Rd., 1.26 mi., grading, constructing bridges and rulverts and paving with plain concrete, W. C. Peters, Marietta, $38,064; Sutton Constr. Co., Pikeville, Ky., $38,892; P. A. McIntyre, New Lexington, $39,053.

Sect. "I-2," Cambridge-Caldwell Rd., 3.13 mi., grading, constructing bridges and culverts and paving with plain concrete, W. C. Peters, $114,234; Sutton Constr. Co., $114,528; P. A. McIntyre, $114,822.

Hancock Co., Sect. "D," Lima-Sandusky Rd., 6.05 mi., grading, constructing bridges and culverts and paving with concrete, Johnson Constr. Co., Chicago, $187,561; Dorsey Constr. Co., Findlay, $190,382; bituminous concrete, Johnson Constr. Co., 38 South Dearborn St., $193,896; monolithic brick, Dorsey Constr. Co., $237,420.

Sect. Ottawa-Findlay and other roads, bituminous surface treatment, S. M. Billiter, Cincinnati, $12,317.

Henry Co., Sect. "A," Ottawa-Napoleon Rd., 3.01 mi., grading, constructing bridges and culverts and paving with rein.-con., Westrick Bros., Napoleon, $64,789; P. G. Watson, Malinta, O., $66,382.

Lake Co., Sect. "J," Chardon-Madison Rd., 2.33 mi., grading, constructing bridges and culverts and paving with rein.-con., Elas, Bates & Keiner, Madison, $58,514.

Logan Co., Sect. "C," Bellefontaine-Lima Rd., 1.27 mi., grading, constructing bridges and culverts and paving with rein.-con., Stone & Hole, $37,377; Hamilton & Bunger, Eldorado, $37,453; McHugh Bros., Springfield, $36,846.

Sect. "E" Bellefontaine-Wapakoneta Rd., 3.22 mi., grading, constructing bridges and culverts and paving with rein.-con., Lewis & Copeland, Lima, $95,077; C. L. Straw, Paulding, $96,669; C. F. Smith, Dayton, $98,535.

Sect. "F," Bellefontaine-Wapakoneta Rd., 3.05 mi., grading, constructing bridges and culverts and paving with rein.-con., Lewis & Copeland, $117,009; R. H. Shafer Co., Findlay, $117,700; W. F. Payne, Springfield, $118,206.

Sect. "G," Bellefontaine-Wapakoneta Rd., 3.69 mi., grading, constructing bridges and culverts and paving with rein.-con., C. F. Smith, $113,267; Lewis & Copeland, $113,554; W. F. Payne and McHugh Bros., each $116,045.

Madison Co., Sect. "D-1," National Rd., 2.47 mi., grading, constructing bridges and culverts and paving with bituminous macadam, Billiter & Connell, Dayton, $47,517; Hamilton & Bunger, Eldorado, $48,909; J. C. McCann, Columbus, $48,947.

Sect. "A-2," Columbus-Cincinnati Rd., 5.92 mi., grading, constructing bridges and culverts and paving with bituminous macadam, Billiter & Connell, $146,856; W. M. Graham, Columbus, $152,295; Neff & Rader, $152,402.

Mahoning and Columbiana Counties, Sect. "P," West Unity-Salem Rd., 2.15 mi., grading, constructing bridges and culverts and paving with brick, J. D. Paxson, $93,510.

Montgomery Co., Sect. "N," Dayton-Indianapolis Rd., 2.67 mi., grading, constructing bridges and culverts and paving with rein.-con., Clifton Hoolihan, Dayton, $92,572; W. Huber, $94,348; Swank Eng. Co., Dayton, $97,292.

Sect. "N-2," Dayton-Indianapolis Rd., 38 mi., Clifton Hoolihan, $23,666; W. Huber, $23,766; Swank Eng. Co., $25,550.

Morgan Co., Sect. "H," McConnelsville-New Lexington Rd., 3.26 mi., grading, constructing bridges and culverts and paving with waterbound macadam, Beatrice & Keiner, Moxahala, $79,645.

Seneca Co., Sect. "Q," Lima-Sandusky Rd., 1.22 mi., widening roadway and paving with bituminous macadam, Stone & Hill, Lima, $13,996; J. W. Carey, Ada, $14,463; R. M. Myers, Attica, $14,512.

Sects. "G" and "A-1," Upper Sandusky-Tiffin Rd., 4.28 mi., grading, constructing bridges and culverts and paving with bituminous concrete, H. P. Streicher Co., $155,682; Modern Constr. Co., $163,118; Highway Constr. Co., $156,829; bituminous

Streets and Roads (Continued)

concrete (A-2). H. P. Streicher Co., $150,760; Modern Constr. Co., $157,244; brick, Modern Constr. Co., $163,842; bituminous macadam, Highway Constr. Co., $121,321; Modern Constr. Co., $129,818; W. H. & H. A. Souder, Fostoria, $127,783.

Trumbull Co., Sect. "A," Warren-Burton Rd., 1.16 mi., grading, constructing bridges and culverts and paving with bituminous macadam, Gray Bros., Youngstown, $30,425.

Sect. "C," Warren-Burton Rd., 2.21 mi., grading, constructing bridges and culverts and paving with bituminous macadam, Seiple & Wolf Co., Youngstown, $73,772.

Sect. "D," Warren-Burton Rd., 3 mi. grading, constructing bridges and culverts and paving with bituminous macadam, Seiple-Wolfe Co., $111,317; Russell & Russell, West Austintown, $113,963. Noted July 3.

O., Cleveland—City received bids paving (a) West 19th St., (b) Franklin Ave., (c) Loretta Ave., (d) Scranton Rd., (e) Scranton Rd., (f) West 59th St., (g) West 30th St., (h) Scranton Rd., (i) Fidelity Ave., (j) Scranton Rd., from Roehl Bros., West 25th St. and Clark Ave., (a) $10,806, (f) $10,950, (g) $11,251, (i) $10,183; Baldwin Bros., 4500 Euclid Ave., (a) $10,894, (c) $18,677, (d) $22,900, (e) $23,010, (g) $11,237, (h) $20,700, (i) $10,000, (j) $19,468; Freshwater Paving Co., 11,712 Detroit Ave., $10,924, (c) $18,052, (f) $10,846, (g) $11,351; Amer. Paving Co., Marshall Bldg., (b) $38,304; Cleveland Trinidad Paving Co., The Arcade, (b) $41,114, Rieley Bros., 357 The Arcade, (c) $18,795, (d) $22,950, (e) $23,600, (f) $10,960, (h) $21,060, (i) $10,181, (j) $19,662; R. P. Burnett, Society for Savings Bldg., (d) $21,009, (e) $22,700, (h) $20,080, (j) $19,078. Noted July 3.

Mich., Detroit—City received bids paving, (a) Harper Ave., Sect. 1, (b) Alley No. 1025, (c) Alley No. 1026, (d) Alley No. 1027, (e) Alley No. 1028, (f) Alley No. 1030, (g) Alley No. 1031, (h) Alley No. 1032, (i) Alley No. 1033, (j) Alley No. 1034, (k) Alley No. 1035, (l) Alley No. 1036, from W. B. Brady Constr. Co., 1972 Grand River Ave., (a) $23,489; Detroit Asphalt Paving Co., 20 McGraw Bldg., (a) $22,345; Cleveland Trinidad Paving Co., 2940 Woodward Ave., (a) $23,929; Liberty Constr. Co., Penobscot Bldg., (b) $7765, (f) $5509; T. E. Currie, 20 McGraw Bldg., (b) $7658, (f) $5525, (i) $4709; Otis Cement Constr. Co., 806 Hammond Bldg., (b) $7633, (c) $6939, (d) $6656, (e) $6942, (f) $5582, (g) $4255, (h) $2327, (i) $2647, (j) $2356, (k) $1638, (l) $5132; R. J. Powelson Co., 1577 Iriquois Ave., (c) $7012, (d) $6538, (e) $7024, (g) $4378, (h) $2417, (i) $2715, (j) $2414, (k) $1699, (l) $5132; Talbot Co., 400 Penobscot Bldg., (c) $6834, (d) $6859, (e) $7060, (g) $4219, (h) $2428, (i) $2713, (j) $2412, (k) $1597. Noted June 26.

Mich., Detroit—Dept. Pub. Wks. received bids paving (a) Kulick Ave., (b) Konkel Ave., (c) Kopernik Ave., (d) Canfield Ave., (e) Fairview Ave., (f) Griffin Ave., (g) Gladstone Ave., (h) Hurlbut Ave., (i) Harper Ave., (j) Platt St., from Detroit Asphalt Paving Co., 20 McGraw Bldg., (a) $20,000, (b) $17,181, (c) $30,174, (d) $6223, (e) $25,091, (f) $13,367, (g) $13,342, (h) $35,330, (i) $25,955, (j) $6981; Cleveland Trinidad Paving Co., 2940 Woodward Ave., (a) $20,404, (b) $17,687, (c) $30,737, (d) $6462, (e) $25,862, (f) $13,685, (g) $13,428, (h) $36,500, (i) $27,091, (j) $7107; W. B. Brady Constr. Co., 1972 Grand River Ave., (a) $20,467, (b) $17,596, (c) $30,881, (d) $6430, (e) $26,208, (f) $14,299, (g) $13,127, (h) $36,766, (i) $27,238, (j) $7145. Noted July 3.

★**Ill., Chicago**—Bd. Local Impvts. let contracts paving (a) alley between Lake St., Park Ave., Paulina and Hermitage Sts., (b) between Washington Blvd., Madison and Kilpatrick Sts. and Cicero Ave., (c) between East 65th St., Marquette Rd., Maryland and Cottage Grove Aves., (d) Augusta St., from Kedzie to Grand Aves., (e) Besley Court from West North Ave. to Wabansia St., (f) Ellen St. from Wood to Lincoln Sts., (g) La Crosse Ave. from West End to Park Aves., (h) North Racine Ave. from Grace St. to point 395 ft. north, (i) Shields St. from West 59th to West 58th Sts., (j) South Union Ave. from West 101st to West 102nd Sts., (k) West Walton St. from Keeler Ave. to Kilbourne St., (l) Wolfram St. from Ashland Ave. to Paulina St., (m) Pine St. from Division to Hirsch Sts., Crystal St., Potomac and Kamerling Aves., from Long Ave. to Central St., (n) South Richmond St. from West 63rd to West 67th Sts., South Sacramento Ave. from West 63rd to West 67th Sts., West 64th, 65th and 66th Sts. from Sacramento Ave. to Francisco St., (o) South Marshfield Ave. from Hermitage to Paulina Sts., Wood St. from West 72nd to West 74th Sts., Lincoln St. from West 71st to West 74th Sts., Winchester St. from West 71st to West 74th Sts., West 71st, West 72nd, West 73rd Sts. from Ashland Ave. to Robey St., to J. A. Ross & Co., 4561 Armitage Ave., (a) $1765; P. J. O'Brien, 29 South La Salle St., (b) $4544; J. Dillon & Co., 179 West Washington St., (c) $2686; Standard Paving Co., 29 South La Salle St., (d) $6737, (g) $5285; Marquette Constr. Co., 133 West Washington St., (e) $15,831; White Paving Co., 17 North La Salle St., (f) $9919, (l) $7535; Central Paving Co., 179 West Washington St., (h) $4904; Amer. Asphalt Paving Co., 133 West Washington St., (i) $5372, (k) $27,698, (m) $67,939, (n) $67,939; Farr Bros. Co., 356 West 111th St., (j) $6809; R. F. Conway & Co., 133 West Washington St., (o) $244,020. Noted July 3.

★**Wisconsin**—State Highway Comn., La Crosse, let contract improving Prairie du Chien-Viroqua Rd., Crawford Co., Federal Aid Project No. 83, to T. Fulks, New Albion. Noted July 3.

★**Wisconsin** — State Highway Comn., Madison, will build Wonewoc-La Valle Rd., Sauk Co., Federal Aid Project No. 97. Work will be done by day labor with county forces. Noted July 3.

★**Wis., Black River Falls**—Jackson Co. let contract clearing and grubbing Black River Falls-Alma Center Rd., Federal Aid Project 84, to F. Sullivan, Black River Falls. About $24,000.

★**Wis., Delavan**—City let contract grading and paving 2.9 mi. Park and Center Sts., 20 ft. wide, involving 2000 sq.yd. vitr. brick and 21,350 sq.yd. concrete, to P. R. Birdsall Co., 1108 Park Ave., Racine. $22,500.

★**Wis., Kiel**—City let contract grading and paving 1.1 mi. Main St., 20 ft. wide, involving 9000 sq.yd. concrete, to F. Radloff, Plymouth, $12,750. Noted July 10.

★**Wis., Oshkosh**—Winnebago Co. let contract grading, surfacing with concrete and building concrete culverts on Oshkosh-Winneconne Rd., to Manager & McGucken, 332 Layton Bldg., Milwaukee, $111,000.

★**Wis., Racine**—Racine Co. let contract grading and concrete paving Jefferson St. and Milwaukee Rd., Waterford Twp., 18 ft. wide, to W. Koening Co., 2211 Grand Ave., Milwaukee, $52,250; 1.44 mi. Milmine Rd., Mt. Pleasant Twp., 18 ft. wide, to J. Cape & Sons Co., 468 Water St., Racine, $34,086. Noted June 26.

★**Wis., Racine**—Racine Co. let contract grading, paving with concrete and building concrete culverts on Racine-Rochester Rd., Dover Twp., to L. L. Tindall, Waterford, $36,487.

★**Wis., Sheboygan**—City let contract grading and paving 1.9 mi. East Water St. from Center Ave. to 5th St. and North 6th St. to Pennsylvania Ave., 20 ft. wide, to J. Braun Constr. Co., Pennsylvania Ave. About $20,000.

★**Wis., Sheboygan** — City let contract grading and paving 2.2 mi. North 10th St. from Superior to Geele Aves., 20 ft. wide, to Pestien & Nauman, North 15th St., Sheboygan, $29,790. Noted June 23.

★**Wis., Superior** — City let contract paving North 4th St. between Tower and Grand Aves., to J. Diffor, Superior, $21,860.

★**Ia., Creston**—City let contracts to Great Western Paving Co., Chicago, for 20,043 yd. sheet asphalt paving on 4 in. concrete base, at $3.37 per yd. and 16,510 ft. combined curb and gutter, 42 in. wide over all, at $1.60 per ft.; to Leckliter-Davis Constr. Co., Corning, 9387 yd. 3 in. brick asphalt paving on 5 in. concrete base, $4.09 per yd. and 5000 ft. combined curb and gutter, 30 in. wide over all, heavy type, $1.60 per ft. Noted June 19.

★**Ia., Elliott**—City let contract to Mid-West Paving Co., Des Moines, for 26,433 yd. asphaltic concrete paving on 4 in. concrete base, at $3.17 per yd., 2050 ft. combined curb and gutter, $1.47 per ft. and 17,489 ft. $1.45, both 42 in. wide over all. Noted June 19.

★**Ia., Sidney**—City let contract for 38,000 sq.yd. vertical fiber brick pavement and 6700 ft. 10-24 in. storm sewers, to Agin & Fuller, Corning, $191,146. Noted June 19.

★**Ia., Tabor**—City let to Leckliter-Davis Constr. Co., Corning, for 21,688 yd. 3 in. brick paving, asphalt filler, on 4 in. concrete base at $3.91 per yd. and 7788 ft. combined curb and gutter, 42 in. wide over all, at $1.67 per ft. Noted June 19.

★**Ia., Villisco**—City let contract to Akin & Flutter, Corning, for 6300 yd. 3 in. brick paving, sand filler, on 4 in. concrete base, at $3.60 per yd., 26,000 yd. asphaltic paving on 4 in. concrete base, $3.15, 20,611 ft. combined curb and gutter, 42 in. wide over all, $1.40 per ft. and 3452 ft. 6 x 18 in. curb, $0.75. per ft. Noted June 19.

★**Kan., Wichita**—Sedgwick Co. let contract building Sect. A of Federal Aid Road Project No. 2, to C. W. Merryfith, Eldorado, $131,407; Sect. B, Bickel Constr. Co., Interstate Bldg., Kansas City, Mo., (b) $159,710.

★**Neb., Omaha**—City let contract grading and repaving Dodge St., from 17th to 22nd Sts., 18th, 19th and 20th Sts., from Capitol Ave. to Douglas St., 36-60 ft. wide, to Condon & Bolen, 3634 South 26th St. About $130,000. Noted Apr. 17.

★**Neb., Omaha**—Comrs. Douglas Co. let contract paving 22nd St. from Izard to Clark Sts., 30-40 ft. wide, involving 7412 sq.yd. asphaltic concrete on 6 in. concrete base and 2700 cu.yd. earth excav., to Hugh Murphy Constr. Co., 204 Karbach Block, $21,242.

★**Neb., Omaha**—Comrs. Douglas Co. let contract grading 17 mi. Lincoln Highway from Fairacres to county line, 24 ft. wide, involving 80,665 cu.yd. earth excav. to J. E. Turner, 2922 Izard St., $30,854; 3842 lin.ft. of guard rail and 876 lin.ft. 18-48 in. concrete pipe culverts on same, to Central Bridge & Constr. Co., Wahoo, $7200. Noted June 12.

★**Mo., King City**—City let contract for 12,000 sq.yd. concrete paving on 6 in. concrete base, concrete curbing and guttering, to Reinert Bros. Constr. Co., 1208 North 5th St., St. Joseph. About $40,000. Noted June 19.

★**Mo., Mound City**—City let contract paving various streets, involving 9040 sq.yd. 6 in. concrete on concrete base and 6334 cu.ft. concrete curbing and guttering, to Reinert Bros., 1208 North 5th St., St. Joseph, at $2.61 per yd.

★**Tex., Bonham**—Comrs. Fannin Co. let contract improving 7.121 mi. Highway No. 5 from Ector to county line, 14 and 24 ft. wide, involving 420 cu.yd. concrete, 12,801 cu.yd. earth excav., 23,991 lb. reinforcing steel, 3.817 mi. road machine work, gravel surfacing, building drainage structures, etc., to J. W. Rooks, McAlester, Okla., $59,237.

Tex., Fairfield—Freestone Co. received lowest 3 bids improving 10.04 mi. Highway No. 7 from city limits of Teague to Limestone Co. line, 15 ft. wide, from McElwrath & Rogers, Corsicana, $74,285, T. J. Worthington, Corsicana, $80,667, Morneo-Burkem Co., St. Louis, Mo., $97,898. Noted July 3.

★**Tex., Houston**—Comrs. Harris Co. let contract improving 4.24 mi. Highway No. 12 from Main St. Blvd. to railroad crossing, to Smith & James, Houston, $21,572. Noted July 3.

Tex., Houston—Harris Co. received bids scarifying and rescarifying 7.41 mi. Houston-Crosby Rd., No. 1, 24 ft. wide, involving 300 ft. B. M. bridge lumber and 249 cu.yd. earth excav., from Miller & Johnson, Crosby, $16,112, S. A. Starkey, Houston, $21,017, Horton & Horton, McKinney and Velasco Sts., $21,320; building rein.-con. pavement, temporary bridge, etc., on 1.859 mi. Houston-Crosby Rd. No. 4, 18 ft wide, 5721.8 sq.yd. 1-1½-3 in. concrete and 2660 cu.yd. earth excav., from Houston Constr. Co., 518-19 Com'l Bank Bldg., Houston, $56,066, Horton & Horton, McKinney and Velasco Sts., $56,073.

Tex., Seymour-Baylor Co. received lowest 3 bids grading and building rein.-con. drainage structures on 12.35 mi. Highway No. 30 from point 3 mi. southwest of Seymour to west county line, 24 ft. wide, from A. A. Harrison, Seymour, $13,997, J. T. White, $14,644, Baylor Co., $14,915. Noted July 3.

Col., Pueblo—City received lowest bid for improving Lake Ave. Paving Dist., from Strange & Maguire, Utah Savings & Trust Bldg., Salt Lake City, Utah, $93,432.

★**Idaho, Caldwell**—City let contract for paving 33 blocks Cleveland Blvd., Kimball and other streets, bitulithic and asphaltic concrete, to Warren Constr. Co., Journal Bldg., Portland, Ore. About $50,000. Noted Feb. 6.

Wash., Seattle—Bd. Pub. Wks. received bids paving Railroad Ave., et al., involving 1960 sq.yd. brick block, on 8 in. base, and 200 sq.yd. wood block (a) with surface, (b) without surface, from S. A. Moceri, 1515 West Barrett St., (a) $13,163, (b) $12,313; Fiorito Bros., (b) $13,572; P. Nielon, (b) $14,283.

Streets and Roads (Continued)

★**Wash., Seattle**—Bd. Pub. Wks. let contract paving Boyer Ave., et al., to S. A. Moceri, 1515 West Barrett St., $67,593.

★**Wash., Vancouver**—Comrs. Clarke Co. let contract paving 4.5 mi. Pioneer-Ridgefield Rd., standard bitulithic, to United Contg. Co., Northwestern Bank Bldg., Portland, Ore., $92,090. Noted June 19.

Ore., Astoria—City received only bid paving 2nd St. from Astor St. to Spokane, Portland & Seattle R.R., bitulithic on 5 in. concrete base, from Miller & Bauer, Astoria, cost $7828; Grande Ave. from 29th to 33rd Sts., from H. Makela, Astoria, $6974. Noted May 29 and June 19.

California—State Highway Comn., Forum Bldg., Sacramento, received bids building (a) 2.8 mi. road between Freshwater Lagoon and Orick, Sect. J, Route 1, Div. 1, Federal Aid Project No. 16, Humboldt Co., (b) 7.9 mi. road between Last Chance Slide and Cushion Creek, Sect. B, Route 1, Div. 1, Federal Aid Project No. 17, Del Norte Co., from J. Wilmshurst, San Francisco, (a) $39,977; Mercer & Fraser Co., Eureka, (a) $41,760; A. J. Fairbanks, Willits, (a) $54,794, (b) $236,207; Palmer & McBridge, Hooker & Lent Bldg., San Francisco, (b) $199,840; W. A. Bechtel, 631 Market St., San Francisco, (b) $220,553. Noted June 19.

California—State Highway Comn., Forum Bldg., Sacramento, received lowest 3 bids building 9.4 mi. Sect. A, Route 16, Div. 1 state highway between westerly boundary and Lakeport, Lake Co., from A. J. Fairbanks, Willets, $131,790; Erickson & Peterson, Monadnock Bldg., San Francisco, $135,200; Grant, Smith & Co., Fernwell Bldg., Spokane, Wash., $139,520. Noted June 12.

★**California**—State Highway Comn., Forum Bldg., Sacramento, let contract building 9.7 mi. Sect. A, Route 16, Div. 1, State highway between Hopland and easterly boundary Mendocino Co., Mendocino Co., to J. P. Holland, San Francisco; Sect. A, Route 18, Div. 6, state highway between Merced and easterly boundary Merced Co., Merced Co., J. E. Lee, Tulare. Noted June 5.

Cal., Oakland—City received bids grading, curbing, guttering and paving (a) 87th Ave., (b) 86th Ave., (c) Hopkins, East 37th, Kingsley and Emerson Sts., from P. A. Belser, 625 Market St., San Francisco, (a) $12,093, (b) $14,980; Bates & Borland, Oakland Bank of Savings Bldg., (a) $14,910, (c) $12,538; Hutchinson Co., 444 17th St. (a) $15,056, (b) $16,012, (c) $12,538; A. H. Kopperud, 2030 High St., (b) $16,115; Oakland Paving Co., 5000 Bway., (c) $12,762. Noted June 26.

Cal., Oakland—Comrs. Alameda Co. let contract grading, paving and building bridges on 22,174 ft. Alvarado-Centerville Rd., 18 ft. wide, to Bates & Borland, Bway. Ave. and 12 St., $156,010. Noted June 26.

★**Cal., San Diego**—A. H. Wright, city clk., let contract paving and improving Garnet St., Grand and Balboa Aves., to Fairchild-Gilmore-Wilton Co., 25 14th St., $61,493. Noted July 3.

★**Cal., Santa Ana**—Bd. Supervs. Orange Co. let contract building 3.6 mi. Santa Ana Canyon Rd., to S. Finley, Santa Ana, $36,-112. Noted June 19.

★**Que., Strathmore**—City let contract paving 10 mi. Lakesake, Dorval and Dixie Sts., waterbound macadam, to Brisbois & Laplaine, St. James St., Montreal, $41,500.

★**Ont., Vankleek Hill**—Town let contract building 2 mi. bituminous macadam road with concrete curbs, 20 ft. wide, to Sutherland & Grant, 339 Chapel St., Ottawa. About $28,000. Noted June 12.

★**Sask., Moose Jaw**—City let contract paving various streets to Moose Jaw Constr. Co., Moose Jaw, $16,390.

Railways

PROPOSED WORK

Ohio—Rapid Transit Comn., Cincinnati, plans to build rapid transit electric loop in September when Miami and Erie Canal will be drained within city limits. F. Krug, city engr., soon receives bids for 1st section, extending from Walnut to Charles Sts. About $1,000,000.

California—Atchinson, Topeka & Santa Fe Ry., Kerckhoff Bldg., Los Angeles, applied to City Council for authority to lay 20 mi. spur track to proposed plant of Goodyear Tire & Rubber Co., Los Angeles. G. W. Harris, ch. engr.

Excavation and Dredging

PROPOSED WORK

Fla., Kissimmee—Drainage—City voted $15,000 bonds to install drainage system.

Ariz., — Pheonix — Drainage — City had plans prepared for tile drainage system to reduce water level to 10 ft. or less below surface. About $100,000. Address A. Thompson, city mgr.

Ore., Baker—Ditch—Baker Co. plans to extend Big Creek Ditch from 20,000 to 25,000 ft., to be known as Catherine Creek Extension. I. L. Hoffman, co. surv.

BIDS DESIRED

Mass., Lynn—Dredging—Until July 23, by Massachusetts Harbor & Land Comn., 473 State House, Boston, dredging 30,000 cu.yd. from Lynn Harbor and 15,000 cu.yd. from Saugus River. W. F. Williams, 473 State House, Boston, engr.

N. Y., Albany—Barge Canal Work—Until Aug. 12, by E. S. Walsh, supt. pub. wks., completing excavation of Champlain Canal, Sect. 2, between Crocker's Reef and Ft. Edward, Contr. No. 194; building substructure, superstructure and approaches of highway bridge over Erie Canal, Sect. 8, below Lock 28-A, Lyons, Contr. No. 198; completing 2 concrete bridges over Red Creek in Genesee Valley Park, Rochester, Erie Canal, Sect. 9, Contr. No. 144-A; advertised in this issue.

N. J., Jersey City — Dredging — Until July 22, by city, dredging and filling Howell St. dock on Hackensack River. About $15,000.

Colo., Alamosa—Drainage—Until July 28, by Waverly Drainage Dist. No. 1, building drainage system. About $155,800. W. N. Martin, secy.

Cal., San Francisco — Excavation—See "Miscellaneous."

Que., Three Rivers—Channel—Until July 24, by Dept. Pub. Wks., Ottawa, dredging channel and basin in eastern outlet of St. Maurice River for Dominion Government. About $30,000. K. M. Cameron, Birks Bldg., Sparks St., Ottawa, engr.

Ont., Pickering — Excavation — Until July 21, by W. A. McLean, deputy minister highways, Parliament Bldg., Toronto, for steam shovel excavating required on east and westerly sides of Rouge Hill also at Eagle Hill, both in Pickering Twp. About $40,000. G. Hogarth, Parliament Bldg., Toronto, engr.

B. C., New Westminster—Dredging—Until July 30, by Dept. Pub. Wks., Ottawa, Ont., dredging north arm of Fraser River, here. About $100,000. K. M. Cameron, Birks Bldg., Sparks St., Ottawa, engr. Noted July 10.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. C., Beaufort** — Drainage — Comrs. Carteret Co. let contract building 252 mi. of open ditch for draining 33,000 acres in D. D. No. 1, to Northwestern Drainage Co., Grand Rapids, Wis. About $330,000. Noted June 12.

★**Manitoba** — Canal, etc. — Dept. Pub. Wks., Ottawa, Ont., let contract building canal, stoplog dam and pile bridges for diversion of river into Lake Pelican, to Carter-Halls-Aldinger Co., 1010 Union Bank Bldg., Winnipeg, cost, $17,157 (unit prices.) Noted May 1.

Industrial Works

PROPOSED WORK

Mass., Clinton—L. S. Gottleib, archt., 101 Park Ave., New York City, is preparing plans building 4 story, rein.-con., brick and steel mill. A. Braciner, 110 West 40th St., New York City, engr. Owner's name withheld.

Mass., Fall River—L. E. Danforth, 76 Dorrance St., Providence, R. I., soon receives bids building 1 story, 100 x 156 ft. garage, rein.-con., steel and brick, rein.-con flooring and concrete foundation, on Main St. About $70,000. Private plans.

Mass., Springfield—Wason Mfg. Co., Brightwood, plans to build 2 story, brick and concrete addition to factory, here. About $100,000. Private plans.

R. I., Cranston—Providence P. O.—United Wire & Supply Co., Auburn, soon receives bids building 2 story, 100 x120 ft. and 50 x250 ft. brick and mill construction additions to factory. About $125,000. Perry & Whipple, 17 Exchange St., Providence, engr.

R. I., Providence—K. B. Ely, Boston, Mass., soon lets contract building auto sales building and service station on Reservoir St. W. R. Walker Son., 117 Custom House St., archts. Noted May 29.

Conn., New Britain—Adkins Printing Co., 66 Church St., plans to build addition to present printing plant. About $50,000. Architect not selected.

Conn., New Britain—Hart & Hutchinson Mfg. Co. plans to build 1 story, 77 x340 ft. factory, brick. About $70,000.

Conn., New Britain—Hart & Hutchinson Co., Corbin Ave., soon lets contract building 1 story, 77 x 340 ft. brick and steel factory addition. About $70,000.

Conn., Putnam—Mannasset Mfg. Co. soon receives bids building 2 story, 100 x 200 ft., brick and mill construction mill. About $125,000. Private plans.

N. Y., Alden — Village Bd. appointed W. B. Snyder, J. Simme and I. N. Chase, as committee, to obtain plans and estimates for water power developments and municipal lighting system. About $100,000. Engineer not selected.

N. Y., Johnson City—R. C. Pratt plans to build artificial ice plant, rein.-con. and brick. About $175,000.

N. Y., New York—J. S. Hannon, 445 West 16th St., soon receives bids building 2 story, 72 x 75 ft., brick and steel garage, rein.-con. flooring, concrete foundation, at 433-437 West 16th St. About $50,000. J. S. Maher, 431 West 14th St., archt. and engr.

N. Y., Rochester—Rosenberg Bros. & Co., 436 Portland St., plans to build 4 story, 55 x 299 ft. addition to clothing factory at Fashion Park, with 2 wings 36 x 73 ft. About $200,000.

N. Y., Rochester—Sargent & Greenleaf Co., Court St., plans to build brick factory covering 50,000 sq.ft. floor space. Cost between $150,000 and $175,000. Address W. H. Foxall, vice pres.

N. Y., Silver Creek—A. E. Baxter Eng. & Appraisal Co., archts., Ellicott Sq., Buffalo., soon lets contract building 3 story, 50 x 150 ft., rein.-con. and brick warehouse, rein.-con. flooring, concrete foundation, for S. Howes, Silver Creek. About $50,000.

N. J., Jersey City—Amer. Grocers Assn., 183 Morgan St., plans to build 5 story, 100 x 100 ft., rein.-con. warehouse on West Side Ave. About $150,000. F. Grad, 245 Springfield Ave., Newark, archt.

Pa., Shamokin—Hewesco Silk Co. soon receives bids building 2 or 3 story, 59 x 90 ft., rein.-con. and brick factory. W. H. Lee, 32 South 17th St., Phila., archt.

W. Va., Charleston—Pugh Furniture Co., 908 Kanawha St., plans to build 5 story, 41 x 253 ft. brick warehouse. About $75,000. H. R. Warne, Masonic Temple Bldg., archt.

N. C., Gastonia—Winget Yarn Mill Co. soon lets contract building 1 story, 125 x 276 ft. mill construction factory here. R. C. Beberstern, Charlotte, engr.

S. C., Columbia—Coca Cola Bottling Co., 1111 Gervais St., plans to build 2 story, 100 x 190 ft. bottling plant on block 1100 Main St. About $60,000. Engineer and architect not selected.

S. C., Rockhill—C. L. Cobb, A. Long and associates, c/o Peoples Natl. Bank, plan to build 3 or 4 story cotton mill. About $500,-000. Engineer and architect not selected.

Fla., Fountain—St. Andrew Bay Lumber Co., Millville, plans to establish plant here. About $150,000.

Fla., Millville—St. Andrew Bay Lumber Co. plans to improve plant. About $40,000.

O., Cleveland—Arjo Realty Co., 214 Williamson Bldg., having plans prepared by Lehman & Schmidt, archts., 210 Electric Bldg., for 2 story, 80 x 109 and 100 x 405 ft., concrete, steel and brick addition to factory, at 6545 Euclid Ave. About $250,-000. Noted July 10.

O., Cleveland—Cleveland Metal Products Co., 1141 Ivanhoe Rd., having plans prepared by G. S. Rider Co., archts. and engrs., 612 Century Bldg., for 1 story, 120 x 300 ft. addition to foundry; cost, $75,000; also 3 story, 72 x 266 ft. addition to machine shop, $75,000, both concrete, steel and brick. Noted July 3.

O., Cleveland—Chester Realty Co., Williamson Bldg., having plans prepared by Steffens & Steffens, archts. and engrs., 1029 Williamson Bldg., for 2 story, 55 x 120 ft., concrete, steel and brick garage, on East 65th St. and Carnegie Ave. About $50,000. Noted July 3.

Industrial Works (Continued)

O., Cleveland—Interlake Eng. Co., 203 Scobam Ave., plans to build 2 story, 45 x 80 ft. concrete, steel and brick addition to punch shop. About $75,000. Architect not selected.

O., Cleveland—Natl. Copper & Smelting Co., Rose Bldg., plans to build 3 story, 75 x 240 ft., concrete, steel and brick factory, on Babbitt Rd. and New York, Chicago & St. Louis R.R. About $25,000. Architect not selected.

O., Cleveland—Sixth City Realty Co., Guardian Bldg., having preliminary plans prepared by Grieble Eng. Co., engrs. and archts., 517 Sloan Bldg., for 4 story, 167 x 370 ft., concrete, steel and brick garage, on East 6th St. and St. Clair Ave. About $1,500,000. Noted July 3.

O., Dayton—C. L. McAdoo, 3rd and Canal Sts., plans to build 4 story, 40 x 120 ft., rein.-con. warehouse, rein.-con. flooring, concrete foundation, on Garfield St. About $50,000. Architect not selected.

O., Dayton—J. C. Turner Novelty Co., Germantown St., plans to build 40 x 80 ft., addition to plant. About $50,000. Architect not selected.

O., Hamilton—City plans election soon to vote on $600,000 bonds to build electric light plant. F. Weber, city engr.

O., Troy—Hobart Mfg. Co. plans to build 30 x 106 ft. machine shop, 66 x 90 ft. storage building and 50 by 80 ft. forge shop, all 1 story, steel and brick, brick foundation. About $75,000. J. Hobart, pres.

Ind., Anderson—Laurel Motors Corp. plans to build 1 story, 60 x 125 ft. concrete addition to plant on Sycamore St. C. E. Hayes, genl. mgr.

Mich., Muskegon — Continental Motors Corp., Jefferson Ave., E., Detroit, plans to build 2 story, 180 x 500 ft. engine factory and power plant. About $1,000,000.

Ill., Chicago—S. Birkenstein & Sons, Inc., 377 West Ontario St., having plans prepared by S. M. Eichberg, archt., 64 West Randolph St., for 4 story, 100 x 330 ft., rein.-con. and brick warehouse, rein.-con. flooring, concrete foundation, on Kingsbury St. and Chicago River. About $300,000.

Ill., Chicago—C. R. Francis, comr. pub. wks., soon lets contract building 1 story, 65 x 175 ft., brick, tile and timber garage and repair shop, concrete foundation, on 31st St. and California Ave., for Chicago Contagious Hospital. About $35,000. C. W. Kallae, 1019 City Hall, archt.

Ill., Chicago — Geraghty & Co., 3035 west Lake St., plans to build 3 and 4 story, 50 x 89 ft., brick and timber factory, concrete foundation at 3335 West Lake St., about $40,000. W. W. Ahlschlager, 133 West Washington St., archt.

Ill., Chicago—Grip Nut Co., 122 South Michigan Ave., having preliminary plans prepared by F. Brassert & Co., engrs., 122 South Michigan Ave., building 100 x 750 ft., rein.-con. factory, concrete foundation, rein.-con. flooring, on 59th St. and Western Ave. About $500,000.

Ill., Chicago—A. Heft, c/o W. W. Ahlschlager, archt., 133 West Washington St., having plans prepared for 2 story, 50 x 125 ft., rein.-con. factory, rein.-con. flooring, concrete foundation, on Marshfield Ave. and Kinzie St. About $50,000.

Ill., Chicago—Library Bureau, 1735 Diversey Blvd., having plans prepared by Mundie & Jensen, archts., 39 South La Salle St., for 2 story, 250 x 300 ft., brick and timber factory, concrete foundation, on Homan and Potomac Aves. About $200,000.

Ill., Chicago—Sears Roebuck & Co., Arthington and Homan Aves., plans to build 5 story, rein.-con. and brick, paint factory, rein.-con. flooring, concrete foundation, on Kostner Ave. and Fillmore St. About $250,000. G. C. Nimmons & Co., 122 South Michigan Ave., archts.

Ill., Chicago—Sears, Roebuck & Co., Arlington and Homan Aves., having plans prepared by G. C. Nimmons & Co., archts., 122 South Michigan Ave., for 5 story, 125 x 127 ft., rein.-con., brick and stone addition to factory, rein.-con. flooring, concrete foundation. About $225,000.

Wis., Sheboygan—Amer. Leather Specialty Co., 1102 Wisconsin Ave., plans to build 2 story, 50 x 95 ft., brick, rein.-con and steel factory, brick foundation, on Michigan St. About $25,000. Architect not selected.

Wis., Sheboygan—Ford Motor Co., Highland Park, Detroit, plans to build 5 story, 250 x 560 ft., brick rein.-con. and steel factory, rein.-con. flooring, brick foundation, in Lake View Addition. About $200,000. Architect not selected.

Wis., Two Rivers—Juul & Smith, archts., Imig Bldg., Sheboygan, preparing plans for 2 story, 60 x 190 ft., rein.-con. and brick factory, brick foundation, on Main St. About $30,000. Owner's name withheld.

Ia., Sioux Falls—Hawkeye Mfg. Co., 2700 Floyd River Rd., plans to build 75 x 145 ft. addition to factory. About $30,000.

Minn., Minneapolis — Farwell, Ozmun, Kirk & Co., Fairfield Ave. and Water St., (south side) having preliminary plans prepared for 6 story, 110 x 300 ft., rein.-con. and brick addition to storage and distributing plant, rein.-con. flooring, brick foundation. About $200,000. Architect not selected.

Minn., St. Paul—C. Weinhagen & Co., 480 Jackson St., plans to build 4 story, 110 x 230 ft., rein.-con. and brick factory and office, on 14th St., near Pine St. About $200,000. C. Weinhagen, pres. Architect not selected.

Neb., Omaha—Sinclair Refining Co., 111 West Washington St., Chicago, Ill., having plans prepared by company's engineers building 102 x 132 ft. garage, 2 story, 100 x 160 ft., rein.-con. warehouse, machine shop, copperage and barreling plant, on 11th and Seward Sts., also series of service stations at various locations throughout city. About $250,000. W. T. Dinkins, 901-5 Woodmen of World Bldg., local mgr.

Mo., St. Joseph—Roberts Cone Co., 709 North 3rd St., plans to build 5 story, 100 x 140 ft., rein.-con., steel and brick factory, rein.-con. flooring, concrete foundation, on 3rd St. About $200,000. Architect not selected.

Mo., St. Louis—Laclede Investment Co., 5323 Ridge Ave., plans to build 7 story, 150 x 207 ft. fur storage building on 4th and Market Sts. Cost to exceed $100,000. N. R. Darragh, pres. Architect not selected.

Ore., Portland—E. H. Cahalin, 11th and Stark Sts., having plans prepared by F. M. White, archt., Chamber of Commerce Bldg., for 1 story, 100 x 115 ft., tile and brick garage, rein.-con. flooring.

Ore., Portland—Vick Bros., 264 North High St., plans to build 2 story, 100 x 100 ft., concrete and brick warehouse, rein.-con. flooring, concrete foundation, on East 3rd St. About $50,000. Architect not selected.

Cal., Porterville—City defeated $200,000 bond issue to build gas plant. Olmstead & Gillelen, 1112 Hollingsworth Bldg., Los Angeles, archts. Noted Mar. 20.

Ont., Kitchener—Dumart Bros., Kitchener, plans to build 3 story, rein.-con., steel and brick abattoir and packing plant, concrete foundation. About $75,000.

Ont., Stratford—Kindel Bed Co., 552 Ontario St., having plans prepared by J. Russell, archt., Downie St., for 3 story factory on Ontario St. About $100,000.

Ont., Walkerville—Auto Trimmings Co. preparing plans for 5 story, brick and concrete addition. About $80,000. F. Joyce, secy.

Ont., Walkerville—Peabody Mfg. Co., Ltd., Toronto, plans to build 4 story, rein.-con., textile factory. About $500,000.

Sask., Yorkton—Saskatchewan Co-operative Creamery plans to build cold storage plant. About $60,000.

Alta., Lethbridge—Town Council plans to build factory for the manufacture of soft drinks. Cost including machinery $60,000. W. D. Hardie, mayor.

BIDS DESIRED

Mass., Worcester—Until July 20, by J. J. Manifold, 3 Hawthorne St., building 1 story, 75 x 125 ft., brick garage on Webster St. About $25,000. E. T. Chapin, 340 Main St., archt.

Conn., Bridgeport—Salts Textile Mfg. Co., Kossuth St., is receiving bids building 2 story, 36 x 45 ft. brick, concrete and steel factory and office building, rein.-con. flooring and concrete foundation. About $25,000. Private plans.

O., Canton—McCormick Co., archts., Century Bldg., Pittsburg, Pa., receiving bids building 1 and 2 story, 120 x 209 ft., steel and brick bakery, concrete foundation, here, for Holland Bread Co., Toledo. About $100,000. Noted June 12.

O., Cleveland—A. C. Bishop, archt., 427 Guardian Bldg., receiving bids building 2 story, 118 x 120 ft., concrete, steel and brick factory, on West 46th St. and Train Ave., for Ko-Ko-Mar Co., Leader-News Bldg. About $50,000. Noted May 15.

Mich., Detroit—Until July 21, by Smith, Hinchman & Grylls, archts., 710 Washington Arcade, building 6 story, 156 x 581 ft., rein.-con., paint shop, rein.-con. flooring, concrete foundation, on St. Antoine and Piquette Aves., for Fisher Body Corp., Piquette Ave. Noted July 3.

Ill., Chicago—G. Johnson, 6817 Champlain Ave., receiving bids building 1 story, 125 x 125 ft., brick and timber garage, concrete foundation, at 6730 South Chicago Ave. About $25,000. A. G. Lund, 452 West 63rd St., archt.

Minn., Delano — Farmers' Co-operative Elevator Co. receiving bids for 24 x 24 ft. grain elevator, 15,000 bu. capacity. About $30,000.

Ont., Toronto—Until July 25 by Northern Aluminum Co., 158 Sterling Rd. building 10 story, 60 x 280 ft., rein.-con. factory, rein.-con flooring, concrete foundation at 158 Sterling Rd. About $300,000. C. A. P. Turner, 1005 Lindsay Bldg., Winnipeg Man., engr. Noted July 3.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Cambridge**—Natl. Casket Co., East Cambridge, let contract building 3 story, brick and concrete store house and factory, to J. T. Scully Co., 185 Devonshire St., Boston. About $300,000.

★**Mass., Fall River**—Borden & Remington, 115 Anawan St., let contract building 2 and 4 story, brick addition to storehouse, to McNally Constr. Co., 84 North Main St. About $25,000.

★**Mass., North Adams**—Hoosac Worsted Mills, Brown St., let contract building 2 story, brick and concrete addition to factory on Brown St., to F. T. Ley & Co., 499 Main St., Springfield. About $125,000.

★**Mass., Springfield**—Springfield Fdry. Co., Indian Orchard, let contract building 1 story, 100 x 100 ft., brick and steel foundry, also 1 story, 40 x 50 ft. finishing building, to E. J. Pinney, 348 Main St. About $35,000.

★**Mass., Springfield**—W. A. Newton Co., 150 Birnie St., will build 1 story, 60 x 106 ft. warehouse and 1 story, 50 x 53 ft. carpenter shop. About $25,000. Work will be done by day labor.

★**R. I., Pawtucket**—New England Lace Co., Main and Thurston Sts., let contract building 1 story, 66 x 100 ft., brick, and 2 story, 30 x 50 ft., brick and steel factories, rein.-con. flooring and concrete foundation, to F. G. Rowley Co., Central Ave. About $30,000.

★**R. I., Pawtucket**—Solway Dyeing & Textile Co. let contract building 2 story, 100 x 105 ft., brick, weave shed, to F. G. Rowley Co., 260 Central Ave. About $50,000.

★**R. I., Westerly**—G. C. Moore Co. let contract building 1 story, 100 x 155 ft., brick, weave shed, to H. Wales Lines Co., 134 State St., Meriden. About $50,000.

★**Conn., East Norwalk** (South Norwalk P. O.)—Neptune Hardware Co., 66 Fort St., let contract building 2 story, 60 x 80 ft., brick and mill construction factory, to Tracy Bros. Co., 52 Bendict St., Waterbury. About $25,000.

★**Conn., Hartford**—S. K. F. Ball Bearing Co., 330 New Park Ave., will alter factory. About $25,000. Work to be done by day labor.

★**Conn., New Haven**—F. E. Fowler, 238 State St., let contract building 3 story, brick and steel addition to factory on State and Crown Sts., to Chatfield Bros., 175 Ellsworth Ave. About $60,000. Noted June 26.

★**Conn., New Haven**—Hygienic Ice Co., 881 State St., let contract building 1 story, 74 x 95 ft., brick and steel boiler and engine room, to Sperry & Treat Co., 39 Church St. About $40,000.

★**Conn., New Haven**—Yale Tire & Rubber Co., 827 Elm St., let contract building brick and rein.-con. power house on Dixwell Ave., to C. W. Murdock, 185 Church St. About $30,000.

Industrial Works (Continued)

★Conn., **South Willington**—W. H. Hall let contract building 3 story, 60 x 100 ft., brick and mill construction bleachery, concrete foundation, to O. L. Willard, 240 Walnut St., Willimantic. About $45,000.

★Conn., **Stamford**—Lounsbury & Soule, 128 Broad St., let contract building 2 story, 50 x 100 ft., brick and mill construction factory, on Fairfield Ave., to G. H. Stadel, Shippan Ave. About $28,000.

★N. Y., **Black River** — Northern New York Utilities, Inc., Light & Power Bldg., Watertown, let contracts building rein.-con. power house for installation of three 3000 h.p. generating units, to Walsh Constr. Co., Davenport, Ia.; rein.-con. power dam and 2450 lin.ft. power canal, to Burns Bros. & Haley Bank Bldg., Watertown. Total cost $600,000. Noted June 12.

★N. Y., **Buffalo**—Atterbury Motor Car Co. let contract building 1 story, 80 x 181 ft., brick and steel machine shop, concrete foundation, on Hertel Ave., to B. I. Crooker Co., Builders Exch. About $30,000, cost plus percentage basis. Noted July 3.

★N. Y., **Buffalo**—Cold Spring Storage Co., Main St., let contract building 7 story, 59 x 150 ft., rein.-con. warehouse, rein.-con. flooring, concrete foundation, to Tifft Constr. Co., Iroquois Bldg. About $65,000. Noted June 26.

★N. Y., **Buffalo**—Rogers, Brown Iron Co., Erie Co. Bank Bldg., let contract building 1 and 2 story, 66 x 262 ft., rein.-con., brick and steel machine shop, rein.-con. flooring, concrete foundation, on Hamburg Turnpike, to J. W. Cowper Co., Fidelity Bldg., about $75,000. Noted June 26.

★N. Y., **New York**—C. H. Allen, 138 William St., let contract building 7 story, brick and steel warehouse, rein.-con. flooring, concrete foundation, at 119 Fulton St., to Crow Constr. Co., 103 Park Ave. About $75,000. Noted June 5.

★N. Y., **Potsdam**—Education Dept., Potsdam Normal School, let contracts building boiler house, general, to H. M. Weed, New York City, $42,300; heating, to H. J. Brandeles, 435 Lafayette St., Utica, $36,000. Noted July 3.

★N. J., **Newark**—Great Atlantic & Pacific Tea Co., 1st St., Jersey City, let contract building 3 story, 146 x 249 ft., rein.-con. warehouse, here, to Turner Constr. Co., 45 Milk St., Boston. About $200,000.

★Pa., **North East**—Twp. Supervs. let contract building 8000 ft. rein.-con. pavement, to C. Pianta & Co., Buffalo Rd., Erie Noted June 19.

★Pa., **Phila.**—Mac Paving Constr. Co. let contract building 3 story, 40 x 60 ft. asphalt paving plant, brick, on Niectown Lane and C St., to G. S. Monaghan & Loose, 3016 Chestnut St.

★Pa., **Phila.**—Phila. Textile Machine Co., 6th St. and Tabor Rd., let contract building 1 story, 75 x 240 ft. rein.-con. addition to factory, to Hennebeque Constr. Co., 1170 Bway., New York City. About $50,000.

★Md., **Baltimore**—Adelphia Garage Co., 2325 Callow Ave., let contract building 1 story, 120 x 240 ft., concrete and brick garage, rein.-con. flooring, concrete foundation, to Consolidated Eng. Co., 243 Calvert Bldg. About $55,000.

★Md., **Baltimore**—Gardner Baking Co., 119 South Paca St., let contract altering and building 2 story, 43 x 54 ft. and 3 story, 24 x 56 ft., rein.-con., steel and brick additions to bakery on Preston St. and Madison Ave., to J. C. Mach, 3903 Calloway Ave. About $85,000, including machinery. Noted May 29.

★Md., **Baltimore**—Standard Brewing Co., 1766 North Gay St., let contract building 2 story, 60 x 200 ft., concrete and brick addition to its plant, rein.-con. flooring, concrete foundation, on Gay St. and Patterson Park Ave., to J. H. Miller, Inc., Miller Bldg., Eutaw and Franklin Sts. About $75,000.

★Md., **Baltimore**—C. M. Stieff Piano Co., 9 North Liberty St., let contract building 6 story, 25 x 165 ft., concrete, steel and brick warehouse and store, brick and concrete foundation, at 315 North Howard St., to C. L. Stockhausen Co., Gay and Water Sts. About $150,000 Noted Apr. 17.

★Md., **Frederick**—Price Bros., East Patrick St., let contract building 1 story, 37 x 160 ft. foundry and machine shop, to L. C. Culler, 231 South Market St. About $45,000.

★O., **Cleveland**—Apollo Tire & Rubber Co., 3962 East 93rd St., let contract building 2 story, 80 x 128 ft., concrete, steel and brick factory, to G. W. Hoffman, 3327 Broadview Rd. About $30,000. Noted July 3.

★O., **Cleveland**—Arjo Realty Co., 214 Williamson Bldg., let contract building 2 story, 80 x 109 ft. and 100 x 405 ft., concrete, steel and brick addition to factory at 6545 Euclid Ave., to S. W. Emerson, 1900 Euclid Ave. About $250,000. Noted July 10.

★O., **Cleveland**—Cleveland Illuminating Co., Illuminating Bldg., let contract building 1 story, 70 x 167 ft., rein.-con., steel and brick garage, at 6500 Cedar Ave., to F. Hauselman, Illuminating Bldg. About $60,000. Noted July 10.

★O., **Cleveland**—Cleveland Metal Products Co., 1141 Ivanhoe Rd., let contracts to Craig Curtiss Co., Guardian Bldg., for 1 story, 12 x 29 x 54 ft. storage building, cost $60,000, and 3 story, 60 x 90 ft. addition to assembling room, $120,000, both rein.-con., steel and brick. Noted July 10.

★O., **Cleveland**—Gabriel Mfg. Co., 1407 East 40th St. let contract building 3 story, 40 x 151 ft., concrete, steel and brick addition to factory, to W. I. Thompson, 6110 Euclid Ave. About $30,000. Noted July 10.

★O., **Cleveland**—H. E. Hedges, 428 Guardian Bldg., let contract building 1 story, 50 x 250 ft., concrete, steel and brick garage, rein.-con. flooring, at 2040 East 105th St., to C. R. Moody, 3240 Brinkley Ave. About $60,000. Noted July 10.

★O., **Cleveland**—Peerless Motor Car Co., East 93rd St. and Quincy Ave., let contracts to Masters & Mullen Constr. Co., Electric Bldg., for 3 story, 40 x 120 ft. addition to factory, cost $40,000, and 1 story, 45 x 160 ft. addition to assembling room, $25,000; both concrete, steel and brick. Noted July 10.

★O., **Cleveland**—Theunor Norton Provision Co., 430 Erie Bldg., let contract building 3 story, 32 x 50 ft., concrete, steel and brick addition to factory, on West 65th St. and Stock Ave., to Commercial Constr. Co., 430 Erie Bldg. About $30,000. Noted July 10.

★O., **Cleveland**—United Motors Co., East 40th St. and Prospect Ave., let contract building 2 story, 100 x 200 ft., rein.-con., steel and brick service and sales building, to Free Luce Land & Bldg. Co., Winton Hotel Bldg. About $200,000. Noted July 3.

★O., **Cleveland**—Vitreous Enameling Co., 6800 Grant Ave., let contract building 1 story, 90 x 120 ft., concrete, steel and brick factory, on East 71st St. and Grant Ave., to W. Dunbar Co., 8201 Cedar Ave. About $35,000. Noted July 3.

★O., **Dayton**—Dayton & Troy Auto Co., 2nd and St. Clair Sts., let contract building rein.-con. and brick garage and sales room, rein.-con. flooring, on 3rd St., near Bway., to H. R. Blagg Co., 1229 East 3rd St. About $40,000.

★O., **East Liverpool**—P. Milliron let contract building 2 story brick garage and storage building, to Potters Lumber Co., East Liverpool. About $70,000.

★O., **Sidney**—Wagner Mfg. Co. let contract building 2 story, 50 x 80 ft. foundry and 3 story, 50 x 70 ft. machine shop, both steel and brick, brick foundation, to U. S. Structural Steel Co., 3rd and Main Sts., Dayton. About $65,000.

★Ind., **Ft. Wayne**—Wayne Knitting Mills let contract building 4 story, 85 x 150 ft., brick and rein.-con. knitting mill, rein.-con. flooring, concrete foundation, to Indiana Eng. Co., 5280 Lincoln Life Bldg., Ft. Wayne. About $120,000. Noted May 22.

★Ind., **Indianapolis**—G. J. Tire Co., 549 East Georgia St., let contract building 1 story, 40 x 60 ft., brick and steel boiler house, rein.-con. foundation, to W. P. Jungclaus Co., 825 Massachusetts Ave., Cost about $300,000, including equipment. Noted May 22.

★Ind., **La Porte**—S. Fox & Sons let contract building 3 story, 60 x 135 ft. mill construction woolen mills, to H. G. Christman Co., 302 Union Trust Bldg., South Bend. About $150,000.

★Mich., **Detroit**—C. B. Bohn Fdry. Co., Hart Ave., let contract building 1 story, 40 x 120 ft. addition to core room and 30 x 30 ft. gas house, rein.-con., brick and steel, to C. H. Reisdorf, 753 Greenwood Ave. Noted May 8.

★Mich., **Detroit** — Timken-Detroit Axle Co., Clarke Ave., let contract building 30 x 300 ft., and 60 x 120 ft. factory buildings, to Austin Co., 16112 Euclid Ave., Cleveland, O., about $50,000.

★Mich., **Detroit**—Solomon Bros., c/o W. H. Adams, engr., 12th floor, Vinton Bldg., let contract building 6 story, 130 x 950 ft., rein.-con. and brick terminal warehouse, asphalt, wood block and rein.-con. flooring, concrete foundation, on Fort and Ferdinand Sts., to Walbridge-Aldinger Co., 2356 Penobscot Bldg. Noted July 3.

★Ill., **Freeport**—Furst McNess Co., State Bank Bldg., let contract building 5 story, 75 x 160 ft., rein.-con. factory, to H. W. Horst & Co., Horst Bldg., Rock Island. About $125,000.

★Wis., **Sheboygan**—Natl. Box & Novelty Co., North 8th St., let contract building 4 story, 60 x 150 ft., brick, rein.-con. and steel factory, brick foundation, on 14th St. and Kentucky Ave., to Verhulst Bros., Sheboygan. About $38,000. Noted July 3.

★Wis., **Two Rivers**—Hamilton Mfg. Co. let contract building 4 story, 100 x 160 ft., brick, rein.-con. and steel warehouse, brick foundation, on Main St., to W. W. Oeflein, 136 Hanover St., Milwaukee. About $52,000.

★Ia., **Des Moines**—F. M. Hubbell, Hubbell Bldg., let contract building 2 story garage on 11th and Walnut Sts., to J. F. Tusant & Son, 583 7th St. About $60,000.

★Ia., **Des Moines**—Northwestern Laundry Co., 407 Grand St., let contract building 3 story, 66 x 127 ft., rein.-con. and stone laundry, to A. Sugarman Constr. Co., 1211 Mulberry St. About $60,000.

★Neb., **Omaha**—Nebraska & Iowa Steel Tank Co. let contract building 1 story, 122 x 233 ft., factory on 13th St. and Willis Ave., to Busk & Wind, 543 Rv. Exch., Bldg. About $65,000.

★Mo., **St. Louis**—Valier & Spies Milling Co., 5036 Marcus Ave., let contract building 62 x 170 ft., concrete, steel and brick grain elevator at 5025 Marcus Ave., to J. Stewart & Co., 110 South Dearborn St., Chicago. About $75,000. Noted Feb. 20.

★Tex., **El Paso**—Standard Grocery Co., 208 Mills St., let contract building 2 story, 120 x 130 ft., rein.-con. warehouse, to J. E. Morgan, 209 North Kansas St., $47,500.

★Tex., **Houston**—Garrow, McClain & Garrow, Hermann Bldg., let contract building 2 story, 187 x 430 ft. corrugated iron and brick warehouse on Hill Ave. and Roanoke St., to Central Coug. Co., 523-525 Beatty Bldg. About $50,000.

★Ariz., **Phoenix**—Arizona Packing Co. let contract building packing plant, to consist of 4 story, 200 x 250 ft., rein.-con. building and number of smaller buildings, on Temple Rd., to Packers Architectural Eng. Co., 431 South Dearborn St., Chicago. About $500,000. Noted June 5.

★Cal., **Bakersfield**—J. Jameson let contract building 2 story, 122 x 150 ft., rein.-con. garage, concrete foundation, on 22nd St. and Chester Ave., to Currie & Dulgar, Bakersfield. About $65,000. Kitchen & Amell, lessees. Noted May 1.

Cal., Caribou —Great Western Power Co., 14 Sansom St., San Francisco, let contract building large power plant to Stone & Webster Co., 147 Milk St., Boston, Mass.

Que., Buckingham—Electric Reduction Co. let contract building water power development here, to Foundation Co., Ltd., 224 St. James St., Montreal. About $30,000.

★Ont., **London**—Holeproof Hosiery Co., 186 King St., let contract building 4 story, 200 x 289 ft., rein.-con. factory, rein.-con. flooring, concrete foundation, on Bathhurst St., to Stone & Webster Co., 142 Milk St., Boston, Mass. About $300,000.

★Ont., **Owen Sound**—See "Miscellaneous."

Buildings

PROPOSED WORK

Vt. Brattleboro—Hall and High School—City plans to build hall and high school in honor of service men. About $175,000. Address Soldiers and Sailors Memorial Bldg. Assn.

Mass., Greenfield—Business—G. W. Wilcox, Federal St., plans to build 3 story business building. About $50,000. Private plans.

Mass., Lexington—School—Town appropriated $75,000 to build school on Bedford St. Address J. W. Swan, clk.

Mass., Worcester — Houses — Worcester Housing Corp. soon receives bids building sixty 2 story, brick workmen's houses on 4 sites. About $250,000. J. D. Leland, 7 Water St., Boston, archt.

R. I., Providence—Temple—Knights of Pythias plan to build new temple. About $100,000. Address R. Kellogg, Grand Chancellor, Providence.

Buildings (Continued)

Conn., East Hartford (Hartford P. O.)—High School—Town plans to complete unfinished rooms in new High School on Chapman St. About $50,000. P. S. Bryant, 847 Main St., Hartford, comr. Architect not selected.

Conn., Glastonbury—School—Town plans to build two 1 story brick schools. About $55,000. W. H. McLean, 110 Tremont St., Boston, archt.

Conn., Groton—School—Town having plans prepared building 1 story, 65 x 100 ft., concrete, steel and brick. About $50,000. Bilderbeck & Langdon, Inc., Barrows Bldg., New London, archts.

Conn., Hartford—School—City having plans prepared building 3 story addition to A. E. Burr School on Wethersfield Ave., rein.-con., steel and brick, rein.-con. flooring and concrete foundation. About $125,000. Whiton & McMahon, 36 Pearl St., archts.

Conn., Hartford—School Buildings—South School Dist. having preliminary plans prepared by Whiton & McMahon, archts., 36 Pearl St., building 2 story brick addition to school on Wethersfield Ave. R. S. Winsella, chn.

Conn., New Britain—School—City plans to build school in western section. About $200,000. Architect not selected.

Conn., New Haven—Laboratory—State Bd. Health, Capitol, Hartford, plans to build laboratory on Huntington St., here. About $100,000. Architect not selected.

Conn., New London—Synagogue—Oher Sholum congregation soon lets contract building 2 story, 40 x 82 ft., brick, rein.-con. flooring and concrete foundation on Bliuman St. About $50,000. Reuben Lubschansky, North Main St., pres.

Conn., Plainville—Store—Birnbaum & Menus, 66 Arch St., New Britain, having plans prepared building store, here. About $50,000. C. C. Palmer, 272 Main St., New Britain, archt.

Conn., South Manchester—Bank—Manchester Trust Co., 1907 Main St., plans to build brick and stone bank. About $60,000. Architect not selected.

Conn., Torrington—Business—Torrington Bldg. Co., 197 Water St., plans to build modern business building. About $60,000.

Conn., Torrington—Church—St. Peter's R. C. congregation plans to build superstructure, basement already in. About $60,000. Address J. De Michael, 58 High St. Architect not selected.

Conn., Warehouse Point—Home—Hartford County Home, Hartford, having plans prepared building addition, including new school, hospital, heating plant and dormitory. About $200,000. M. J. Unkelbach, 162 Main St., New Britain, archt.

Conn., West Hartford—High School—Town having plans prepared by W. T. Marchant, archt., 36 Pearl St., Hartford, building 2 story, 100 x 100 ft., brick, steel and concrete, on South Main St. About $100,000. Noted Jan. 2.

Conn., Willimantic—Clubhouse—Knights of Columbus, 751 Main St., plan to build 2 story clubhouse, on Pleasant St. About $50,000. Architect not selected.

N. Y., Geneva — Bank — Geneva Trust Co. had plans prepared by A. C. Nash, archt., 345 5th Ave., New York City, for 3 story, concrete, brick and terra cotta. Cost between $150,000 and $175,000.

N. Y., Herkimer—School—Bldg. Com. of Bd. Educ. plans election to vote on $220,000 bonds to build school. Address R. D. Moore, chn.

N. Y., Lockport—Bank—Natl. Exch. Bank having plans prepared by P. A. Davis, archt., 1713 Sansom St., Phila., for 1 story, 50 x 60 ft., steel and stone. About $150,000.

N. Y., New York—Hotel—Allerton House Corp., 143 East 39th St., having plans prepared by A. L. Harmon, archt., 3 West 29th St., building 16 story, 100 x 200 ft., brick, steel and stone, brick foundation, at 551-553 Madison Ave. About $1,000,000. Noted May 22.

N. Y., New York—Office—H. Phipps Estate, 787 5th Ave., having preliminary sketches drawn by Warren & Wetmore, archts. and engrs., 16 East 47th St., for 15 story office building, on 46th St. and Madison Ave.

N. Y., New York—Office—Post & Flagg, 28 Wall St., having plans prepared by G. B. Post & Son, archts., 101 Park Ave., building 6 story, 50 x 100 ft., brick, steel and stone, brick foundation, at 49-51 Broad St.

N. Y., Norwich—High and Ward Schools and Library—City voted $275,000 bonds to build high and ward schools and library. Tooker & Marsh, 101 Park Ave., New York City, archts.

N. Y., Oneida — Theatre — M. J. Kallett purchased site at 77 Main St. and plans to build 2 story, concrete and brick, to seat 1500 persons. About $100,000.

N. Y. Rochester — Firehouse and School—C. A. Poole, city engr., soon receives bids building 2 story, 40 x 75 ft., on Ridge Rd. and Woodside St., cost, $75,000; 2 story, 40 x 70 ft. on Clifford Ave. and 6th St., $60,000; also brick addition to J. Walton Spencer School on Post and Congress Aves., $40,000.

N. Y., Rochester — Temple — Masonic Temple Assn. plans to build 2 story addition. Cost between $150,000 and $200,000. Address F. C. Malling, pres.

N. Y., Schenectady—Theatre—M. Spiegel, Strand Theatre Bldg., New York City, soon lets contract altering exterior and interior of 2 story brick, steel and stone theatre, here. About $100,000. De Rosa & Pereira, 110 West 40th St., New York City, archts. Noted June 26.

N. Y., Troy—Armory—State Armory Comn., Telephone Bldg., Albany, had plans prepared for brick armory, fireproof flooring, concrete foundation, to consist of 2 story, 50 x 180 ft. administration building and 192 x 206 ft. drill shed. About $475,000. L. F. Pilcher, Capitol, Albany, state archt.

N. J., Phillipsburg—Hospital—Warren Co. Memorial Hospital Assn. plans to build hospital. About $185,000. Address W. Swern, c/o Berlin-Swern & Randall.

N. J., Trenton — Church and Sunday School—St. Paul's Methodist congregation c/o Sutphin, 3-7 Spring St., having plans prepared by G. E. Savage, archt., Witherspoon Bldg., Phila., for 1 to 3 story, 52 x 115 ft., on Fishers Pl., here. About $60,000.

N. J., Westfield—Bank—Peoples Bank & Trust Co. plans to build bank on Elm St. About $50,000.

Pa., Darby — Station — Darby Terminal R.R., having sketches drawn by W. W. Potter, archt., Real Estate Trust Bldg., Phila., building 3 story, 25 x 85 ft., brick. About $50,000.

Pa., Harrisburg—Church—Grace M. E. congregation having plans prepared for altering brick, steel and stone church. About $55,000. W. S. Stoddard, 9 East 40 St., New York City, archt.

Pa., Norristown—Bank—Pennsylvania Trust Co. soon receives bids altering interior of 4 story building. About $50,000. Simon & Simon, 249 South Juniper St., Phila., archts.

Pa., Phila.—Bank—Union Natl. Bank, 3rd and Arch Sts., having plans prepared and will receive bids in August building 3 story, 60 x 75 ft., concrete and stone. About $100,000. J. T. Brugger, 505 Chestnut St., archt. Noted July 3.

Pa., Phila.—Church, etc.—St. George's congregation, Venango and Richmond Sts., having plans prepared by Fieldstein & Schaef, archt., 1328 Chestnut St., building 3 story, 52 x 92 ft., brick and stone. About $50,000.

Pa., Phila.—Ward—Methodist Episcopal Hospital, Broad and Ritner Sts., having plans prepared by H. W. Castor, archt., 21 South 12th St., for 5 story, 80 x 135 ft., private ward building, brick or stone. Cost to exceed $50,000.

Pa., Pottstown—Memorial—Hill School Alumni Associates having plans prepared and will receive bids in August building 2 story, 48 x 120 ft., concrete and brick hall and library on High St. near Madison St. About $100,000. Hewitt & Ash, 520 Walnut St., Phila., archts. Noted Mar. 6.

Pa., Williamsport—Schools—E. L. Taylor, pres. Bd. Educ., receives bids about July 27, building 2 two story, 150 x 200 ft. brick, steel and rein.-con., one on Wayne Ave. and Newberry St. and another on site of Curtin Bldg., north of Braden Park. About $150,000 each. E. E. Joralemon, 547 Franklin St., Buffalo, N. Y., archt.

Md., Baltimore—Hotel—Hotel Caswell, Baltimore and Hanover Sts., plans to add 2 or 3 stories to present structure and build 35 x 250 ft., concrete, brick and steel addition, concrete foundation. About $750,000. H. Busick, mgr.

S. C., Charleston—Citadel—Military College of South Carolina, Charleston, has acquired 40 acre site at Hampton Park and plans to build citadel; first unit consisting of two 3 story buildings to be used as barracks and class room; other buildings to be erected later. Project involves grading, draining and landscape work. State Legislature appropriated $600,000 for entire project. J. P. Thomas, Jr., Charleston, chn. bd. of visitors. Lockwood, Greene & Co., Healy Bldg., Atlanta, Ga., archts. and engrs. Noted Feb. 27.

Ga., Milledgeville—Home—Bd. Trustees Georgia State Sanitorium rejected bids building nurses home on grounds of institution. A. T. Brown, Forsyth Bldg., Atlanta, archt. Noted June 19.

Tenn., Blountville—Court House—D. A. Barger, chn. bldg. comn., receives bids about Aug. 4 building rein.-con. and brick, here, for Sullivan Co. About $50,000. T. S. Brown, Bristol, Va., archt.

Ky., Louisville—Seminary, etc.—Southern Baptist Theological Seminary, 729 South 5th St., acquired site on Brownsboro Rd., near Reservoir Park, and plans to build seminary, to include lecture hall, president's office, chapel, library, administration building, 2 dormitories, gymnasium, commons and power house, etc. Project also includes driveways, recreation fields, etc.

O., Akron—School—Bd. Educ. receives bids about Aug. 1, building 3 story, 100 x 200 ft., rein.-con., steel and brick, on Diagonal Rd. About $260,000. T. R. Ridley, Cottage Pl., archt.

O., Canton—School—Bd. Educ. plans to build 2 story, 114 x 200 ft., concrete, steel and brick, on 16th and Vine Sts. About $200,000. Architect not selected.

O., Cincinnati—Hopital—Jewish Hospital plans to build maternity hospital on Burnet Ave. About $150,000.

O., Cleveland—Commercial—Paul Bros. Citizens Bldg., plan to build 3 story, 54 x 189 ft., concrete, steel and brick addition, at 1938 Euclid Ave. About $60,000. Architect not selected.

O., Cleveland—Office—Cleveland Metal Products Co., 1111 Ivanhoe Rd., having plans prepared by G. S. Rider Co., archts. and engrs., 612 Century Bldg., for 1 story, 60 x 200 ft., concrete, steel and brick addition. About $50,000. Noted July 3.

O., Cleveland—Theatre—Addison Sq. Investment Co., Addison Rd. and Wade Park Ave., plans to build 3 story, 100 x 200 ft., rein.-con., steel and brick. About $100,000. Architect not selected.

O., Dayton—Business—S. Frank and C. Weisman, 6th and Ludlow Sts., plan to build 3 or 4 story, 80 x 130 ft., rein.-con. and brick, on South Ludlow St. About $100,000. Architect not selected.

O., Dayton—Church—Westminster Presbyterian congregation, 3rd and Ludlow Sts., plans to build church. About $300,000. Architect not selected.

O., West Park—Schools—Bd. Educ. having plans prepared by P. T. Cahill archt., 631 Hippodrome Bldg., Cleveland for 2 story, 26 x 48 ft., on Settlement Rd., cost $50,000; 2 story, 36 x 80 ft., on Longwood Ave., $50,000; all 2 story, 90 x 90 ft., high school on Riverside Ave., all concrete steel and brick. Noted July 10.

Mich., Cadillac—Church—First Methodist congregation having plans prepared by W. E. N. Hunter, archt., 1306 Chamber of Commerce, Detroit, building 1 story, 80 x 80 ft., brick, brick and concrete foundation. About $50,000.

Mich., Ferndale (Royal Oak P. O.)—School—School Dist. No. 9 soon lets contract building 2 story, 138 x 143 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on Elsinore Ave. G. J. Haas, 1514 Kresge Bldg., Detroit, archt. Noted June 5.

Mich., Flint—Bank and Office—Hodgson Bros., archts., c/o A. G. Bishop, Flint, soon let contract building 10 story, 44 x 120 ft., brick, steel and stone, concrete foundation on Saginaw and Kearsley Sts., for Genesee Co. Savings Bank.

Mich., Flint—Home—Genesee Co. soon lets contract building 2 story, rein.-con., brick and steel juvenile detention home, concrete foundation. About $160,000. G. H. Swift, 105 Armory Bldg., archt.

Buildings (Continued)

Mich., Highland Park (Detroit P. O.)—School—Bd. Educ., Gerald Ave., having plans prepared by W. H. Adams and Butterfield & Butterfield, archts. and engrs., Vinton Bldg., Detroit, building 2 story, rein.-con. and brick addition to Willard School, rein.-con. flooring, concrete foundation, on Hamilton Blvd. and Waverly Ave. About $300,000.

Mich., Jackson—Hospital—Jackson Co. soon receives bids building 4 story, 46 x 145 ft., rein.-con., brick and steel, concrete foundation. About $90,000. E. F. Stevens c/o H. B. Neagle, archt.

Mich., Marquette—School—State Normal College having plans prepared by Smith, Hinchman & Grylls, archts., 710 Washington Arcade, Detroit, building 3 story, rein.-con., brick and steel, training school.

Mich., St. Clair — School — Bd. Educ. having plans prepared by Perkins, Fellows & Hamilton, archts., 814 Tower Court, Chicago, for 2 story, brick and timber, rein.-con. flooring, concrete foundation, here. About $150,000.

Ill., Moline—Bank—Whitsitt & Schulzke, archts., 610 People's Bank Bldg., receives bids about July 22, building 1 story, 40 x 100 ft., rein.-con. and cut stone, on 5th Ave. and 16th St., for Fifth Ave. Trust & Savings Bank. About $70,000.

Ill., Moline—School—Whitsett & Schelzke, archts., 610 People's Bank Bldg., soon let contract building 1 story, 100 x 128 ft., brick, on 16th Ave. and 25th St., for Bd. Educ. About $80,000.

Ill., Rock Island — Theatre — Cervin & Horn, archts., 310 Safety Bldg., receive bids about Sept. 15, building 90 x 150 ft., rein.-con., on 19th St. and 3rd Ave. for Rosenfield-Hopp Co. About $250,000.

Wis., Manitowoc — Club — Knights of Columbus, c/o P. A. Miller, 8th and Commercial Sts., plan to build 2 story, 100 x 110 ft., brick and tile, brick foundation, on 9th and York Sts. Cost between $50,000 and $60,000. Architect not selected.

Wis., Thiensville—School—School Bd., c/o L. Kieker, plans to build 4 story, 110 x 200 ft., rein.-con. and brick, concrete foundation, on Main St. About $70,000. Architect not selected.

Ia., Belle Plaine—Church—Methodist Congregation having plans prepared by Liebbe, Nourse & Rasmussen, archts., 524 Utica Bldg., Des Moines, building 2 story church. About $50,000.

Ia., Clinton—Academy—Our Lady of Angeles Academy plans to build addition. About $200,000.

Ia., Clinton—Hospital—Jane Lamb Memorial Hospital having plans prepared by Schmidt, Garden & Martin, archts., 104 South Michigan Ave., Chicago, building 4 story, 38 x 133 ft., brick and rein.-con. addition, rein.-con. flooring. About $200,000.

Ia., Storm Lake—Gymnasium—Buena Vista College plans to build gynasium. About $50,000. W. C. Edson, chn. bd. dirs.

Ia., Whiting—School—Bd. Educ. voted $150,000 bonds to build school.

Minn., Bemidji—School—H. White, clk. School Bd. Dist. No. 48, receives bids about July 28, for 2 story, 38 x 59 ft. consolidated school. About $52,000. Roberts & Funk, 1st Natl. Bank Bldg., archts.

Minn., Bemidji—Store and Lodge—Odd Fellows plan to build 2 or 3 story, 50 x 140 ft., on Beltrami Ave. and 5th St. About $75,000. Architect not selected.

Minn., Chisholm—Grade School — Bd. Educ. having plans prepared by W. T. Bray, archt. and engr., Torney Bldg., Duluth, for 2 story, 100 x 120 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $200,000.

Minn., Cloquet—City Hall and Jail—City voted $50,000 bonds to build city hall and jail. J. A. Parks, clk.

Minn., Duluth—Y. M. C. A. having plans prepared by German & Jenson, archts., Exch. Bldg., for 3 story, 125 x 140 ft., concrete and brick building, rock foundation, on North Central Ave., near Grand Ave. About $100,000.

Minn., Eveleth—Library—City plans to build addition to library. Cost between $30,000 and $60,000. C. H. Williams, clk. Architect not selected.

Minn., Gilbert—Schools—School Dist. No. 18, St. Louis Co., having plans prepared by W. T. Bray, archt., Torrey Bldg., Duluth, for 2 story, 51 x 71 ft., in Malta location, cost, $55,000; 3 story, 49 x 57 ft. in Hutter location, $75,000.

Minn., Harney — School — Bd. Educ., School Dist. No. 1, having plans prepared by E. F. Broomhall, archt., 710 Alworth Bldg., Duluth, for 3 story, 69 x 100 ft., brick and steel, in Sect. 27.

Minn., Hibbing—Office—T. C. Congdon, 401—3rd Ave., receives bids about July 24, for 2 story, 80 x 125 ft., brick and hollow tile, on Howard St. About $60,000.

Minn., Minneapolis — Bank and Office—Minneapolis State Bank plans to build 12 story, rein.-con. and brick, rein.-con flooring, rock foundation, on Nicollet Ave. and Lake St. About $1,000,000. Architect not selected.

Minn., Minneapolis — Exposition — Minneapolis Automobile Trade Assn. having tentative plans prepared improving old exposition building on 1st Ave., S. E., and 2nd St., for quarters for annual exposition. About $100,000. Architect not selected.

Minn., Minneapolis—Hotel—J. H. Davidson, 723 Plymouth Bldg., having plans prepared for concrete and steel, on 1st Ave., N., and 7th St. About $400,000. Architect not selected.

Minn., Moose Lake — Grade School — Bd. Educ. rejected bids received June 16, building 2 story, 62 x 90 ft., brick. About $50,000. F. A. Schweiger, Moose Lake, archt. Work will be readvertised. Noted June 12.

Minn., St. Paul—Office—See "Industrial Works."

Minn., Tyler—Hotel—City plans to build 40 room hotel. About $60,000. P. H. Theissen, clk. Architect not selected.

Kan., Ft. Dodge—Home—State having plans prepared by R. L. Gamble, archt., Topeka, for 2 story, 40 x 51 ft., rein.-con., steel and brick, Soldiers' Home, with 2 wings 35 ft. long, rein.-con. flooring, concrete foundation. About $75,000.

Kan., Hutchinson—Hotel — E. Colson having plans prepared by W. E. Hulse & Co., archts., Hutchinson, for 6 story, 60 x 150 ft., rein.-con. steel and brick, rein.-con. flooring, concrete foundation. About $100,000.

Kan., Hutchinson—Theatre—R. E. Johnson having plans prepared by W. E. Hulse & Co., archts., Hutchinson, for 1 story, rein.-con., steel and brick, rein.-con. flooring, concrete foundation. About $100,000.

Kan., Ness City—School—Bd. Educ. plans to build 2 story school. Bonds for $55,000 voted for project. Architect not selected.

Kan., Osage City—Church—First Presbyterian congregation having plans prepared by W. E. Hulse & Co., archts., Hutchinson, for 2 story, rein.-con., steel and brick, rein.-con. flooring and concrete foundation. About $50,000.

Kan., Pleasanton — School—Bd. Educ. soon receives bids building 2 story, 72 x 84 ft., concrete, steel and brick, concrete foundation. About $53,000. H. R. Primmer, Nevada, Mo., archt.

Neb., Blue Springs—School—Bd. Educ. voted $50,000 to build school here.

S. D., Winner—Court House—Tripp Co. plans election in September to vote on $150,000 bonds to build court house.

N. D., Bismarck—Club House—Knights of Columbus having plans prepared building 5 story, brick. About $150,000. $100,000 now available for project.

Mo., Mexico—Dormitory, Academic, Hospital, etc.—Hardin College plans to construct five, 1 to 3 story buildings on campus, to include dormitory, academic building, hospital, observatory and heating plant. About $260,000. J. W. Million, pres.

Mo., St. Louis—Temple—Masonic Temple Assn., Grand St. and Finney Ave., having plans prepared by W. B. Ittner, archt., Bd. of Educ. Bldg., for 302 x 325 ft., on Grand and Lindell Sts. About $1,000,000. K. Vetsburg, chn. bldg. comn. Noted Apr 10.

Wash., Seattle — Engineering School — Seattle Eng. School, 100 West Roy St., plans to build 3 story, 165 x 246 ft., masonry gas engine building and garage, rein.-con. flooring, on Queen Anne Hill. Plans include workshop, gas engine department, boiler rooms, etc. About $135,000. S. D. Ford, Lyon Bldg., archt.

Ore., Heppner — Lodge Hall — B. P. O. E. of Heppner plans to build 2 story, brick. About $50,000. J. V. Bennes, Chamber of Commerce Bldg., Portland, archt.

Cal., Glendale—School—City election July 24, to vote on $100,000 bonds to build school on Bway., and 3 small kindergarten bungalow on other sites. Architect not selected.

Cal., Long Beach—Auditorium and Community Hall, etc.—City defeated $1,400,000 bond issue to build auditorium, community building and city hall. Noted June 19.

Cal., Los Angeles—Store—Bullock's Dry Goods store purchased 150 x 150 ft. site adjoining present store on 7th and Hill Sts. and plans to build addition. Architect not selected.

Cal., Marysville—Hotel—C. W. Burrell, archt., 1st Trust Bldg., Oakland, soon receives bids building 4 story, 119 x 160 ft., rein.-con. and brick, here, for Coyt Investment Co., 306 14th St., Oakland. About $250,000.

Cal., Oakland — Store — Kahn's Dept. Store plans to build addition to store on 16th St. and Bway. Cost between $250,000 and $800,000. Architect not selected.

Cal., Pasadena—High School—Bd. Educ. Chamber of Commerce Bldg., having plans prepared by J. C. Austin, archt., 1125 Baler-Detwiler Bldg., Los Angeles, for group of buildings for athletic field at high school to include 100 x 160 ft. gymnasium, locker and dressing rooms, etc.

Cal., Pomona—Institution—Trustees of Pacific Colony, 2019 West Washington St., Los Angeles, having plans prepared by W. F. McClure, state archt., Forum Bldg., Sacramento, building Institution for Feeble-Minded on Valley Blvd., here. About $100,000. Noted Dec. 5.

Cal., Sacramento — Bank — Sacramento — Fort Sutter Bank plans to build bank on 7th and K Sts. About $1,000,000. Weeks & Dak, Phelan Bldg., San Francisco, archts.

Nova Scotia—Lighthouse—Dept. Marine & Fisheries, Ottawa, Ont., had surveys made building rein.-con. and steel, rock foundation, on Gannet Rock Island, here. About $90,000. B. H. Fraser, c/o Dept. Marine & Fisheries, engr.

Ont., Kitchener — House of Refuge — Waterloo Co. having plans prepared by C. Knechtel, archt., Courtland Ave., building 2 story, concrete, brick and timber, concrete foundation. About $60,000.

Ont., Niagara Falls—Schools—School Bd. having plans prepared by C. M. Borter, archt., 102 Main St., building two 3 story, 66 x 100 ft., brick and steel, concrete foundation. About $50,000 each.

Ont., Oshawa — Church — St. George's congregation plans to build 1 story, stone. About $95,000. Architect not selected.

Ont., Toronto — Hospital — City having plans prepared by W. H. Pearse, archt., City Hall, building 2 story, reception hospital, brick. About $100,000.

BIDS DESIRED

N. Y., Ithaca—Laboratory—Until July 24, by C. D. Bostwick, compt., New York State College of Agriculture, Cornell University, building laboratory; advertised in this issue.

N. J., Camden—Bank—Central Trust Co., 4th and Federal Sts., receiving bids for 1 story, 58 x 58 ft., concrete, brick and steel addition. About $70,000. T. Stephen, Temple Bldg., archt.

N. J., Toms River—Jail—Until Aug. 5, by E. R. Yoden, chn. bldg. com., Bd. Freeholders of Ocean Co., altering and building 2 and 2½ story, 36 x 36 and 26 x 37 ft., rein.-con. additions to jail, here. About $50,000. T. Stephen, Temple Bldg., Camden, archt.

Tenn., Chattanooga—Theatre—C. W. and G. L. Rapp, archts., 190 North State St., Chicago, receiving bids building 1 story, 100 x 150 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, for Signal Amusement Co., 719 Market St. About $250,000.

O., Cleveland—Theatre—W. S. Ferguson Co., archts., 1900 Euclid Ave., receiving bids building 2 story, 100 x 120 ft., concrete, steel and brick, at 10705 Miles Ave., for Corlett Realty Co., 12613 Miles Ave. About $85,000. Noted May 29.

O., New Philadelphia — Municipal — Until July 31, by city, building 3 story, 48 x 120 ft., fire-proof. G. E. Arnold, city engr.

Ind., Gary—Hospital—Gary Methodist Episcopal Hospital, c/o Schmidt, Garden & Martin, archts., 104 South Michigan Ave., Chicago, is receiving bids building 5 story, 110 x 130 ft., brick and rein.-con. hospital, rein.-con. flooring and concrete foundation. About $400,000.

Buildings (Continued)

Mich., Detroit—Clubhouse—**Until July 21,** by P. J. Rosello, archt., 406 Congress Bldg., building 2 story, 60 x 118 ft., brick and steel, brick foundation, on Farnsworth and Russell Sts., for Deftaptape Romane Society, c/o architect. About $65,000.

Mich., Grand Haven—School—Until July 24, by M. W. Cotton, secy. bd. educ., Central School, building 2 story, 96 x 180 ft., rein.-con. brick and steel, rein.-con. flooring, concrete foundation. About $135,000. E. M. Wood, Alma, archt.

Mich., Grand Rapids — School — Until July 31, by H. N. Morrill, bus. mgr. bd. educ., City Hall, building new Congress School. H. N. Turner, 234 Division Ave., N., archt.; advertised in this issue.

Mich., Pontiac—School—Until July 24, by E. R. Webster, secy. bd. educ., building 2 story, rein.-con., brick and steel additions, concrete foundation, to Perkins and Fellows Schools. About $200,000. Perkins, Fellows & Hamilton, 814 Tower Court, Chicago, acrhts.

Ill., East Moline—School—Until July 21, by Whitsitt & Schultzke, archts., 610 Peoples Bank Bldg., Moline, building 2 story, 47 x 162 ft., brick, on 9th Ave. and 17th St., for Bd. Educ. About $70,000. Noted Mar. 27.

Wis., Clintonville — Bank — Until July 21 (change of date), by Foeller & Schoeber, archts., 123 North Washington St., Green Bay, building 2 story, 50 x 150 ft. brick, tile and steel, brick foundation, on Main and Elm Sts., for 1st Natl. Bank. About $50,000. C. Gibson, pres. Noted May 15.

Wis., Two Rivers — School — Until July 30 (change of date), by Bd. Educ., c/o W. T. Darling, building 3 story, 80 x 155 ft., brick, stone foundation, on Main St. About $130,000. J. D. Chubb, 109 Dearborn St., Chicago, archt. Noted June 12.

Minn., Aurora—High School—Until July 29, by School Dist. No. 13, building 3 story, rein.-con., brick and steel, rein.-con. flooring. About $150,000. Tyrie & Chapman, 320 Auditorium Bldg., Minneapolis, archts. Noted Jan. 30.

Minn., Bemidji — Store, Hotel, etc. — M. Kaplan receiving bids for 3 story, 50 x 140 ft. store, hotel and apartment building, brick, concrete foundation. About $50,000.

Minn., Morris—Dormitory—Until July 24, by State Bd. Control, Capitol, St. Paul, building 2 story, 45 x 120 ft., Boys' Dormitory at State Farm, here. About $75,000. C. L. Pillsbury Co., Metropolitan Life Bldg., Minneapolis, engrs. C. H. Johnson, 715 Capital Bank Bldg., St. Paul, archt. Noted June 19.

Minn., St. Paul—School—C. A. Hausler, city engr., receiving bids for 2 story, 34 x 82 ft., rein.-con. addition to Galtier School, on Charles St. and Hamline Ave. About $50,000.

Neb., Omaha — Church — Until Sept. 1, by H. A. Salisbury & T. R. Kimball, archts., 836 World-Herald Bldg., building 1 story, 60 x 120 ft. brick and stone, rein.-con. flooring, on 41st and Farnam Sts., for McCabe Methodist Church. About $60,000.

Okla., Vinita—Court House—Until Aug. 1 by clk. Craig Co. building 3 story, 75 x 100 ft., brick and stone, rein.-con. flooring. About $150,000. Layton & Smith, 701 Southwest Reserve Bank Bldg., Oklahoma, archts.

Utah, Milford — Hotel — Until July 25 by A. T. Adkins, building 3 story, 100 x 120 ft., concrete, on Main St. About $55,000. J. A. Grunfar, Tribune Bldg., Salt Lake City, engr. and archt.

Que., Montreal West (Montreal P. O.) —Exchange—Until July 21, by W. J. Carmichael, archt., 29 Hospital St., Montreal, building 3 story, 60 x 70 ft., concrete, steel and brick concrete foundation, on Sherbrooke and Walkley Sts., for Bell Telephone Co., 118 Notre Dame St., Montreal. About $50,000.

Ont., Fall View—Assembly Hall — Until July 21, by C. M. Borter, archt., 102 Main St., Niagara Falls, building assembly hall and gymnasium, steel and brick, concrete foundation, on Main St. About $50,000.

Ont., Toronto — Store — Until July 21, by W. Steele & Sons, engrs., Ryrie Bldg., for 7 story, 60 x 299 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation, on Yonge St., for Adams Furniture Co., 26 Queen St. W. About $250,000. Noted Mar. 27.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Springfield**—School—City let contract building 3 story, brick, concrete and steel addition to Forest Park School on Oakland St., to E. J. Pinney, 264 Main St. About $180,000. Noted May 8.

★**R. I., Providence**—School—Sons of Zion Society, 325 North Main St., let contract building school, to Soren & Kelman, 230 Saratoga St. About $60,000. Noted Mar. 27

★**Conn., Bristol**—Business—M. Volkenheim, 458 Main St., New Britain, let contract building 3 story, 55 x 80 ft., brick and concrete, to Leavitt & Hayes, 9 Court St., New Britain. About $54,000. Noted July 3.

★**Conn., Bristol**—Hotel—H. Perlstein, 82 Oakland Terrace, Hartford, let contract building 4 story, 42 x 80 ft., brick and concrete, on North Main St., here, to Wexler Bldg. Co., Hart St., New Britain. About $50,000. Noted May 15.

★**Conn., New Britain**—Business—G. C. Rogers, Fairview St., let contract building 3 story, 65 x 110 ft., brick and steel, concrete foundation, on Church St., to B. H. Hibbard Co., 153 Arch St. About $70,000. Noted July 10.

★**Conn., New Haven** — Hospital—Grace Hospital Assn., 1418 Chapel St., let contract building 5 story, 100 x 140 ft. brick, steel and rein.-con., on Orchard St., to Dwight Bros. Co., 24 Center St. About $300,000. Noted July 10.

★**Conn., New London**—Business—Bilderbeck & Langdon, archts., 253 State St., let contract building 3 story business block, for L. Hall Estate, to H. Wales Lines Co., 134 State St., Meriden. About $100,000. Noted Mar. 20.

★**Conn., Stamford**—Parish—First Presbyterian congregation, Broad St., let contract altering and building 2 story stone and granite addition to parish house, to H. Parsons, 49 Bank St. About $50,000. Noted June 19.

N. Y., Brooklyn — School — C. B. J. Snyder, supt. school bldgs., Municipal Bldg., New York City, received bids building addition to P. S. 73, from P. Cleary, 115 Marion St., $208,700; E. Diebitsch, $214,900; J. McArthur Co., Cambrelling Ave. and 183rd St., New York City, $236,423. Noted July 3.

★**N. Y., Buffalo**—Theatre—South Park Theatre Co. let contract building 1 story, 47 x 150 ft., brick and steel, rein.-con. flooring, concrete foundation, on Triangle St., to Linwood Constr. Co., Marine Bank Bldg., about $50,000. Noted July 3.

★**N. Y., Middletown** — Hospital —State Hospital Comn., Capitol, Albany, let contracts building 40 x 320 ft. hospital with 3 wings, concrete foundation, brick superstructure, for Middletown State Hospital, here general, to A. E. Stephens Co., 318 Main St., Springfield, Mass., $283,330; heating, sanitary and electric work, C. H. Darmstadt, 352 West 43d St., New York City, $38,992, $32,392 and $8489 respectively. Noted July 10.

★**N. Y., New York**—Auditorium and Office—Metropolitan Life Insurance Co., 1 Madison Ave., let contract building 16 story, 75 x 150 ft., brick and steel, brick foundation, at 11-15 Madison Ave., to G. A. Fuller Co., Fuller Bldg. About $800,000. This item incorrectly noted in our issue of July 3.

★**N. Y., Syracuse** — Store — Children's Shop, 437 South Salina St., let contract building 2 story, 62 x 99 ft., at 535 North Salina St., to Gaswell Constr. Co., about $175,000.

★**N. J., Bayonne**—Y. M. C. A. let contract for 3 story, 81 x 190 ft., brick and steel building on Ave. E between 22nd and 23rd Sts., to Thompson-Starrett Co., 40 Wall St., New York City. About $500,000. Noted Oct. 10.

N. J., Camden — Bank — Bway. Trust Co., 1009 Bway., let contract building 1 and 3 story, 50 x 85 ft., rein.-... to J. H. Miller, Eutaw and Franklin Sts., Baltimore, Md. About $200,000. Noted June 5.

★**Pa., Highland Park** (Phila. P. O.)—Church—St. Lawrence's Catholic congregation let contract building 2 story, 100 x 160 ft., to E. Fay & Son, 2 South Mole St., Phila.

★**Pa., Phila.**—Stations—Dept. City Transit, 1211 Chestnut St., let contract building 2 stations on Front St., one at York St. and the other at Dauphin St., Contr. No. 553, to J. Connor, 1317 Arch St., $49,375; 2 stations on Front St. at Girard Ave., Contr. No. 554, to Sandard Contr. Co., 171 Sansom St., $44,993, all concrete and steel; also entrance closures for stations at Ruan and Church Sts. and Margaret and Orthodox Sts., to I. K. Davis & Co., 20th and Spencer Sts., $5500. Noted July 3.

★**Del., Wilmington** — Church, Parish House and Rectory—St. John's congregation let contract altering interior of church and building 2 story, 50 x 70 ft., stone rectory and parish house, to W. R. Dougherty, 1608 Sansom St., Phila. About $250,000.

★**Md., Baltimore**—Church—Luther Memorial Lutheran congregation let contract building 1 and 2 story, 75 x 150 ft., stone and brick, rock foundation, on Guilford Terrace and University Pkway., to P. C. Mueller Bldg. Co., 22 Gunther Bldg. About $100,000. Noted July 10.

★**Md., Baltimore**—Post Office and Garage—J. S. Bridges, 325 East Oliver St., let contract building superstructure for 3 story, 150 x 400 ft., rein.-con. and brick concrete foundation, on Maryland Ave., to Gladfelter & Chambers; foundation to J. M. Hammond, both of 36th St. and Roland Ave. About $125,000. U. S. Government, lessee. Noted Apr. 24.

★**Md., Baltimore**—Theatre—Greater Theatre Co., 2706 Philadelphia Ave., let contract building 1 story, 75 x 150 ft., concrete steel and brick, concrete foundation, on Fayette St. and Philadelphia Ave., to Consolidated Eng. Co., 243 Calvert Bldg. About $80,000. Noted Apr. 17.

★**Md., Havre de Grace**—Hotel—E. F. Piersol Co., 913 South Washington St., will build 4 story, 62 x 128 ft., concrete and steel, rock foundation. About $55,000. Work will be done by day labor.

★**Md., New Windsor**—Dormitory—Blue Ridge College for Boys let contract building 4 story, 43 x 43 ft., concrete, brick and stone, to O. Perry, New Windsor. About $50,000.

Va., Fredericksburg—School—City Council received bids, July 9, building 3 story, 78 x 125 ft., brick, concrete foundation on Potters Field, from E. G. Heflin, Fredericksburg, $85,267; King Lumber Co., Charlottesville, $99,800; W. P. Thurston Co., Merchants Natl. Bank Bldg., Richmond, $105,000. Noted July 3.

★**Va., Portsmouth**—School—Bd. Educ. let contract building 3 story, 67 x 163 ft. to E. C. Ford, 113 West 16th St., Norfolk, $92,510. Noted June 26.

★**N. C., Sanatorium** — Hospital — State Bldg., Com., Raleigh, let contract building concrete hospital, to H. F. Hann & Co., Charlotte, $123,264.

★**Ky., Ashland**—Church—Methodist Episcopal congregation let contract building 3 story, 100 x 142 ft., brick and stone, to D. H. Ketter, Ashland. About $100,000. Noted May 29.

★**O., Akron**—Dormitory and Dining Room—Bldg. Comn. of Summit Co. Children's Home let contract building two 2 story, 50 x 80 ft., rein.-con., steel and brick concrete foundation, on South Arlington St., to J. Crisp & Sons Co., 163 Annadale St. About $81,000. Noted June 19.

★**O., Cleveland**—Bank—Cleveland Trust Co., East 9th St. and Euclid Ave., let contract building 3 story, 40 x 100 ft., steel and brick addition, on East 105th St. and Euclid Ave., to G. A. Rutherford Co., 1921 East 18th St. About $50,000. Noted July 3.

★**O., Cleveland**—Office—Cleveland Metal Products Co., 1141 Ivanhoe Rd., let contract building 1 story, 60 x 200 ft., concrete steel and brick addition, to Craig Curtis Co., Guardian Bldg. About $50,000. Noted July 3.

★**Mich., Detroit**—Schools—Bd. Educ., 50 Bway., let contracts building (a) Longfellow School on Indiandale Ave. and 12th St., (b) Roosevelt School, Georgia and Concord Aves., (c) Standard School, Georgia and Helen Aves., (1) masonry, (2) car-

Buildings (Continued)

pentry. (3) heating, ventilating and plumbing, to F. H. Goddard, 516 Franklin Ave., (a1) $59,000. (c1) $188,000; Lennane Bros., 809 Union Trust Bldg., (b1) $138,407; E. Thiede, 287 Berlin St., (a2) $22,250. (b2) $32,961, (c2) $48,742; J. W. Partlan, 51 Park Pl., (a3) $43,744, (b3) $61,008, (c3) $90,129. Noted June 26.

★Ill., Chicago—Exchange—Chicago Telephone Co., 212 West Washington St., let contract altering and building 3 story, 42 x 66 ft., brick and timber addition to West Exchange, with 6 story, 37 x 90 ft. top addition, rein.-con. flooring, concrete foundation, at 25 South Seeley Ave., to McCarty Bros., 10 South La Salle St. About $120,000.

★Ill., Chicago—Hotel—Amer. Cities Hotel Co., 111 West Monroe St., let contract building 8 story, 150 x 160 ft., rein.-con., brick and stone, rein.-con. flooring, concrete foundation, on Stony Island Ave. and The Midway, to M. Rauen, 111 West Washington St. About $1,400,000.

★Ill., Rock Island — School — Bd. Educ. let contract building 3 story, 160 x 190 ft., brick and steel, on 18th Ave. between 33rd and 34th Sts., to H. W. Horst Co., Horst Bldg., $126,772.

★Wis., Beloit—School—Bd. Educ. let contract building 2 story, 85 x 100 ft., brick and timber, brick foundation, to J. Schneiberg, Beloit. About $65,000.

★Ia., Bode—School—Bd. Educ. let contract building school, to Madison Constr. Co., 848 Bldr's. Exchange, Minneapolis, Minn. About $70,000.

★Ia., Dubuque—Hospital—City let contract building 3 story, rein.-con. addition to Sunny Crest Tuberculosis Hospital, here, to A. Zwack, 34th and Jackson Sts. About $150,000.

★Ia., Newton—Bank—First Natl. Bank let contract building 1 story, 52 x 132 ft. rein.-con. and stone, to A. H. Newmann & Co., 519-20 Hubbell Bld., Des Moines. About $100,000. Noted Mar. 20.

★Minn., Duluth—School—Bd. Educ. let contract building 3 story, 100 x 105 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on 7th St. and 5th Ave., E., to H. Fawcett & Co., 3 Mesoba Blk., $85,480. Noted June 26.

★Minn., Minneapolis—School—Bd. Educ. let general contract building 2 story, rein.-con. addition to Bancroft School on 14th Ave. and 38th St., to J. & W. A. Elliot, 906 Lumber Exch., $72,487; heating and ventilating, Archibald Heating Co., Minneapolis, $15,423. Noted June 26.

★Kan., Arlington—School—Bd. Educ. let contract building 2 story 54 x 93 ft., brick, concrete foundation, to W. C. Barnes, Hutchinson. About $50,000.

★Kan., Marysville—Bank—First Natl. Bank let contract building 2 story, 43 x 72 ft., rein.-con., steel and brick, rein.-con. flooring and concrete foundation, to D. M. Wall, 2617 Agnes Bank Bldg., Kansas City, Mo. About $50,000. Noted June 26.

★Kan., McPherson — Hospital — Comrs. McPherson Co. let contract building 3 story, brick, rein-con. flooring, to Eberhart Constr. Co., Salina. About $115,000. Noted June 78.

★Kan., Topeka—Temple—F. & A. M., 320 West 8th St., let contract building 3 story, 140 x 265 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation, to F. M. Spencer & Son, 215 Mulvane Bldg. About $50,000, cost plus percentage basis.

★Mo., St. Louis—Church—St. Mark's English Evangelical Lutheran congregation, Newstead and Delmar Aves., let contract building 2 story, 120 x 150 ft., stone and brick, rock foundation, on Clayton Rd., to Victor Corp., 3447 Pestalozzi St. About $55,000. Noted June 26.

★Mo., St. Louis—Office—Jane Holding Corp., Wright Bldg., let contract altering old building and erecting 19 story, 30 x 35 ft., concrete, steel and brick addition, rein.-con. flooring, rock foundation, at 201 North 8th St., to J. Hill Constr. Co., Syndicate Trust Bldg. About $240,000.

★Tex., Dallas—Office — E. B. Daggett, Texas Bldg., let contract building 6 story, 100 x 100 ft., rein.-con., rein.-con. flooring, concrete foundation, on Young and Lacey Sts., to B. F. & C. B. Davis Co., Southwestern Life Bldg. About $150,000.

★Okla., Norman — University — State Bd., Oklahoma, let contract building 3 story, 80 x 140 ft. Women's Bldg. at State University, to C. A. Popkin, Sapulpa. About $100,000.

★Okla., Okmulgee—Store—Intyre Furniture Co. will build 2 story, 100 x 140 ft. brick store building. About $80,000. Smith, Rea, Lovitt & Senter, Okmulgee, archts. Work will be done by day labor.

★Okla., Sulphur — School — State Bd., Oklahoma, let contract building 3 story, 80 x 125 ft. addition to "School for Deaf," to Ed. Davis, Shawnee. About $50,000.

★Okla., Vinita — Hospital — State Bd., Oklahoma, let contract building 2 story, 60 x 100 ft. ward building at Vinita Hospital for Insane, to J. Hicks, Vinita. About $150,000.

★Colo., Denver—Office—J. A. Ferguson, 407 Century Bldg., let contract building 1 story, at 17th and Champa Sts., to C. S. Lambie Constr. Co., 312 Tramway Bldg. About $1,000,000.

★Ariz., Phoenix—School—Bd. Educ. let contract building 2 story, 80 x 210 ft., concrete, brick and hollow tile, to Edwards & Wildey Co., 515 Black Bldg., Los Angeles, Cal., $162,500. Noted June 19.

★Wash., Cheney — Dormitory — Bd. Cheney Normal School let contract building 2 story, concrete and brick, on campus, to F. Phair, Cheney, $77,735.

★Cal., Ojai—Hotel—Ojai Impvt. Co. let general contract building 2 story, concrete, frame and stucco, to T. E. Hill & Co., Washington Bldg., Los Angeles, $58,000; heating, to T. Haverty Co., 517 South Los Angeles St., Los Angeles, $14,500.

Cal., San Jose—Hall—W. F. McClure, state engr., Forum Bldg., Sacramento, received lowest 3 bids building rein.-con. and brick assembly hall at State Normal School, here, from H. S. Williams, Hearst Bldg., $65,544; E. T. Leiter & Son, Call Bldg., $74,887; E. E. Etherton Co., Monadnock Bldg., $76,542, contractors all of San Francisco. Noted June 12.

★Ont., London—Theatre—Allen Theatre Co., Toronto, let contract building 120 x 250 ft., rein.-con., brick and steel, concrete foundation, on Dundas St., here, to J. Hayman & Sons, 432 Wellington St. About $200,000. Noted Mar. 27.

★Ont., Toronto — School — Bd. Educ. let general contracts building 2 story, rein.-con., steel and brick, concrete foundation, on Glenholme Ave., to H. N. Darcy, Canadian Pacific Ry. Bldg., $55,305; 2 story, rein.-con., steel and brick, concrete foundation, on Glengrove Ave., to H. Lucas & Sons, 141 Havelock St., $46,358. Noted June 12.

Federal Government Work

PROPOSED WORK

N. Y., Brooklyn—Refrigerator—Spec. 4003—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install in Nurses Quarters, here. Bids will be received at Local Yard.

N. Y., Montauk—Sewers—Spec. 3955 — Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids building additional sewers, here. Noted July 3.

N. J., Lakehurst—Hangars—Spec. 4001—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build 2 dirigible hangars, here. About $1,000,000 each.

Va., Norfolk—Roofing—Spec. 4005—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to roof hospital buildings, here. About $20,000.

S. C., Clinton—Post Office—Treas. Dept., Wash., D. C., rejected bids building post office, here. J. A. Wetmore, superv. archt. Noted June 26.

Mich., Houghton — Post Office — Treas. Dept., Wash., D. C., rejected bids building post office, here. J. A. Wetmore, superv. archt. Noted July 3.

Ill., Great Lakes—Groins—Spec. 4004—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build groins for shore protection, here. Estimated cost, $125,000.

Wis., Tomah—Post Office—Treas. Dept., Wash., D. C., rejected bids building post office, here. J. A. Wetmore, superv. archt. Noted July 10.

Cal., Mare Island—Railroad Connection—Spec. 4002—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build railroad connection to Causeway. Estimated cost, $130,000. Bids will be received at Local Yard.

Cal., San Diego—Hangars and Tower—N. F. Smith, Pub. Wks. Officer, 12th Naval Dist., Timken Bldg., soon receives bids building 2 dirigible hangars, 4 rein.-con. seaplane hangars and one 130 ft. steel tower at Naval Air School, North Island.

BIDS DESIRED

N. Y., Buffalo—Cable—Until July 21, by Lighthouse Supt., Buffalo, furnishing 4200 lin.ft. lead encased armored submarine cable; advertised in this issue.

N. Y., Buffalo—Dredging—Until Aug. 11, by U. S. Engr. Office, 540 Federal Bldg., dredging in harbor at Ogdensburg; advertised in this issue.

N. Y., Rosebank—Chimney—Until July 24, by L. E. Cofer, health officer, Port of New York, rebuilding chimney on boiler house, Quarantine Sta., Swinburne Island; advertised in this issue.

D. C., Wash.—Paving—Until Aug. 6, by Dist. Comrs., Dist. Bldg., paving various streets and avenues with sheet asphalt; advertised in this issue.

Va., Salem—Post Office—Until Aug. 4, by Treas. Dept., Wash., D. C., building post office, here. J. A. Wetmore, superv. archt. Noted Jan. 20.

W. Va., South Charleston—Steel Sash—Spec. 3914—Until July 30, by Bureau Yards & Docks, Navy Dept., Wash., D. C., furnishing steel sash for various buildings. About $130,000; $20 deposit required for plans and spec. Noted June 5.

W. Va., Wheeling — Pass and Weir Horses, Props, etc.—Until Aug. 11, furnishing and delivering pass and weir horses, props, etc., for dams Nos. 23, 25 and 27, Ohio River; advertised in this issue.

Fla., Key West—Metal and Glass Work—Until Aug. 20, by Lighthouse Supt., furnishing and delivering metal work and glass for 2 light towers, 1 on Molasses Reef and 1 on Pacific Reef; advertised in this issue.

Ill., Cairo—Pump, etc.—Until Aug. 8, by Treas. Dept., Wash., D. C., installing new motor-driven triplex pump, etc., in Post Office and Custom House, here; advertised in this issue.

Ill., Mattoon—Boiler, etc.—Until July 24, by Treas. Dept., Wash., D. C., furnishing new portable, smokeless, firebox boiler, etc., in Post Office, here. J. A. Wetmore, superv archt.; advertised in this issue.

Cal., San Francisco—Material and Labor—Until Aug. 1, by Lighthouse Comr., Wash. D. C., and Lighthouse Supt. Custom House, San Francisco, furnishing materials and labor of all kinds, except as stated in specifications, necessary for construction, equipment, completion and delivery of single-screw, steel, steam-propelled lighthouse ten Oak, and of first-class, single-screw, steel, steam-propelled Light Vessel No. 105, both for use on Atlantic coast; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★R. I., Coddington Point—Bridge—Spec. 3997—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building steel bascule bridge, here, to Booth & Chase, 562 Davol St., Fall River, Mass., $11,379.

★N. Y., New York—Extending Substation—Spec. 3870—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building extension to Substation No. 14, here, to B. Diamond, 12 Bergen St., Brooklyn, $4652, (30 days).

★Pa., Phila.—Pattern Shop—Spec. 3478—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building, here, to M. H. McCloskey, Jr., 1620 Thompson St., $249,262 (120 days). Noted July 3.

★D. C., Anacostia—Platform—Spec. 3998—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building elevator platform, here, to L. E. Brueninger, Colorado Bldg., Wash., $1150, (45 days). Noted July 3.

D. C., Wash.—Cold Storage Building, etc.—Dist. Comrs., Dist. Bldg., received bids building cold storage room, changing location of switchboard and conduit, and installing new conduits, wires, etc., at Municipal Fish Market, 10th and Water Sts., S. W., from J. Troutt Constr. Co., c/o R. Troutt, 937 Shepherd St., N. W., $5976; T. C. Henderson, 1239 10th St., N. W., $7046.

★D. C., Wash.—Pump House—Dist. Comrs., Dist. Bldg., let contract building pump house at Municipal Fish House, to H. S. Hatton & Co., Wash., $750. Noted July 3.

D. C., Wash.—Refrigerating Equipment—Dist. Comrs., Dist. Bldg., received bids installing refrigerating equipment in cold storage building, from Automatic Refrigerating Co., Munsey Bldg., $1236; Chatard & Noble, 304 Continental Bldg., Baltimore, Md., $1490.

Federal Government Work (Continued)

★**Va., Hampton Roads**—Crane and Bridges—Spec. 3895—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract (1) installing 1 electric traveling crane in 3 story storehouse; (2) building 2 transfer bridges, to Niles, Bement Pond Co., 111 Bway., New York City, (1) $6600, (120 days); V. R. Browning Co., 17701 Lake Shore Blvd., Chicago, Ill., (2) $4652. (120 days). Noted July 10.

★**Va., Hampton Roads**—Pier—Spec. 3918—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building merchandise pier, here, to Boyle-Robertson Constr. Co., Evans Bldg., Wash., (1) $629,497, (300 days); (3) also accepted. Noted June 26.

★**Va., Truxtum**—School—U. S. Housing Corp., 413 G St., Wash., D. C., let contract building 2 story, 100 x 210 ft. brick school, to W. Linker, 813 Cherry St., $100,000. Noted Apr. 24.

★**Fla., St. Augustine**—Shore Protection—Spec. 3973—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building here, to M. J. Lopez, Anastabia Island, $980. Noted June 26.

Ia., Vinton—Post Office—Treas. Dept., Wash., D. C., received bids July 10, building post office, here, from W. D. Lovell, 1415 South East 8th St., Minneapolis, Minn., $25,680; P. H. Wall Contg. Co., St. Louis, Mo., $32,500. Noted June 19.

Minn., Montevideo—Post Office—Treas. Dept., Wash., D. C., received only bid building post office, here, from W. D. Lovell, 1415 South East 8th St., Minneapolis, $29,200. Noted June 12.

Tex., Pittsburgh—Post Office—Treas. Dept., Wash., D. C., received bids July 8, building post office, here, from A. Blair, Montgomery, Ala., $47,319; W. D. Lovell, 1415 South East 8th St., Minneapolis, Minn., $49,000; J. F. McKnight, Halletsville, $49,900. Noted June 12.

★**Wash., Puget Sound**—Grading, Excavating and Filling—Spec. 3256—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract grading, excavating and filling, here, to Porter Bros. Co., 524 Railroad Exch. Bldg., Portland, Ore., $326,000, (300 days). Noted June 19.

★**Cal., Vallejo**—School—U. S. Housing Corp., 413 G St., Wash., D. C., let contract building 2 story frame school, to W. A. Goericke, Sharon Bldg., San Francisco, $50,000.

Miscellaneous

PROPOSED WORK

Storage Bin and Conveyor—Mt. Morris, N. Y.—Galbraith Milling Co. plans to build addition to tile storage bin and milling grain conveyor, 20,000 bu. capacity.

Power Line—Guntersville, Ala.—Alabama Power Co., Huntsville, having surveys made for 2 power lines, one to run from here toward Gadsden and other toward Decatur. Proposed lines will furnish power to Albertville, Boaz, Guntersville, Huntsville, Decatur and other smaller towns. About $1,000,000. G. S. McInnish, Huntsville, ch. engr.

Coke Ovens and Sheds—Dayton, O.—Maxwell Motor Car Co., Leo St., plans to build coke ovens and three 1 story, 30 x 40 ft., steel and brick sheds, brick foundation, to house same. About $15,000.

Stone—Manitowoc, Wis.—A. H. Zander, city, engr., soon lets contract furnishing and delivering 1000 to 1200 tons crushed stone. Cost between $10,000 and $12,000.

Concrete and Coal Conveyor—Sheboygan, Wis.—W. S. Weeks, engr., Ontario Ave., soon lets contract furnishing concrete and coal conveyor for proposed new factory for Northern Furniture Co., South Water St. About $25,000.

Pipe Line—Port Aransas, Tex.—Texas Mexico Pipe Line & Refining Co., recently organized, plans to lay 400 mi. 8-in. pipe line from Port Aransas north to Red River, via Ranger and Burkburnett, to southwestern Oklahoma. Address R. Galbreath, 1300 South Boulder St., Tulsa, Okla.

Drydock—Vancouver, Wash.—Standifer Ship Bldg. Corp., West 13th St., will donate $100,000 to build drydock here if Government appropriates $150,000 and city $100,000. R. V. Jones, vice pres. J. E. Blackwell, resident agt. of U. S. Shipping Bd. now inspecting harbors.

Athletic Field, Gymnasium, Manual Training Building, etc.—Warrenton, Ore.—City plans election soon to vote on $15,000 bonds to improve athletic field, build gymnasium, manual training building and playground, on 6 acre tract adjoining school. J. Evenden, city aud.

Memorial—Tulare, Cal.—City having plans prepared by W. C. Perry, archt., Newhall Bldg., San Francisco, for Soldiers and Sailors Memorial here. About $60,000. G. B. Sturgeon, Newhall Bldg., San Francisco, engr.

Wharf—Sydney, N. S.—Dept. Pub. Wks., Ottawa, Ont., having plans prepared building wharf here. About $100,000. E. Lafleur, c/o Dept. Pub. Wks., Ottawa, engr.

Park—Three Rivers, Que.—St. Maurice Valley Amusement Co. plans to build amusement park here. About $75,000. E. Decelles, pres.

Wharf—Little Current, Ont.—Dept. Pub. Wks., Ottawa, having plans prepared and soon receives bids rebuilding wharf here. About $54,000. E. Lafleur, c/o Dept. Pub. Wks., engr.

Wharf—Owen Sound, Ont.—Dept. Pub. Wks., Ottawa, having plans prepared and soon receives bids rebuilding wharf here. About $86,000. E. Lafleur, c/o Dept. Pub. Wks, engr.

Pier—Port Maitland, Ont.—Dept. Pub. Wks., Ottawa, Ont., having plans prepared and soon receives bids rebuilding portion of east pier here. About $200,000. E. Lafleur, c/o Dept. Pub. Wks., engr.

Breakwater—Toronto, Ont.—Dept. Pub. Wks., Ottawa, having plans prepared and soon receives bids building breakwater here. About $200,000. E. Lafleur, c/o Dept. Pub. Wks., engr.

Telegraph Lines—Clinton, B. C.—Dept. Pub. Wks., Ottawa, Ont., soon receives beds building branch telegraph line from here to Gong Ranch, via Kelly Lake, Caribou Dist., 50 mi. long. About $10,000. D. H. Keeley, Supt. Govt. Telegraphs, Ottawa, engr.

Drydock—Esquimalt, B. C.—Dept. Pub. Wks., Ottawa, Ont., having plans prepared and soon receives bids building dry dock here. About $500,000. E. Lafleur, c/o Dept. Pub. Wks., engr. Noted Oct. 31.

BIDS DESIRED

Retaining Wall—New London, Conn.—Until July 24, by W. E. Clark, secy. state rivers, harbor and bridge comn., building concrete retaining wall. Work involves 3500 cu.yd. concrete, 1200 cu.yd. excav. and 5000 cu.yd. embankment.

Pipe—Fulton, N. Y.—Until July 21, by G. A. Washburn, city clk., furnishing B. & S. c.i. water pipe and special castings, including 95 tons 12 in. and 649 tons 16 in. Class "D" pipe; advertised in this issue.

Paving Material—New York, N. Y.—Until July 26, by H. Bruckner, pres. Bronx boro., furnishing and delivering 150,000 gal. tar road oil, 3000 bags Portland cement and 5000 cu.yd. 1½ in. broken trap rock stone and 2500 cu.yd. broken trap rock stone screenings.

Sand—New York, N. Y.—Until July 21, by F. L. Dowling, pres. Manhattan Boro., furnishing and delivering 11,000 cu.yd. asphalt wearing surface sand, Grade "B".

Valves—Jersey City, N. J.—Until July 22, by city, furnishing iron body bronze mounted double hub valves. C. A. Van Keuren, city engr.

Cast Iron Pipe and Special Castings—Akron, O.—Until Aug. 1, by H. S. Morse, dir. pub. serv., furnishing 13 tons 16 in. Class "B," 625 tons 12 in. Class "B," 12 tons 12 in. Class "C," 135 tons 10 in. Class "B," 130 tons 10 in. Class "C," 170 tons 8 in. Class "B," 125 tons 6 in. Class "B" and 3 tons 4 in. Class "C" pipe, and 35 tons special castings, Contr. No. 157; advertised in this issue.

Flume—Sheboygan Falls, Wis.—Until July 22, by Brickner Woolen Co., installing steel flume as part of improvement to water power, involving 26 tons steel. About $20,000. J. Hauwert, Sheboygan Falls, engr.

Contractors Supplies—Minneapolis, Minn.—Until Aug. 1, by H. E. Alexander, purch. agt., City Hall, furnishing elevating grader with standard equipment and tools, also offset engine pole and inter-changeable disc plow; 24 contractor's dump wagons—2 yd., bids on steel axle, wood axle, stiff tongue and drop tongue; 1 revolving steam shovel, ¾ yd., mounted on traction wheels; 1 concrete mixer, capacity 15-16 cu.ft. mixed concrete, equipped with traction drive; 1 self propelled wagon loader, gasoline driven and equipped with malleable buckets with manganese steel digging lips, to be designed for handling crushed stone (2½ in.), gravel (2 in.) and sand; 1 traction drive portable crane equipped with ½ or ¾ yd. clam shell bucket, capacity 4500 lb. at 10 ft. radius; 1 macadam or 3 wheel road roller, 10 ton, 2 cylinder motor driven, bid with and without scarifier; 1 concrete mixer, batch without loader, gasoline driven, capacity 4 cu.ft. mixed concrete, 1 ditcher or trench excavator, gasoline driven for 4½ ft. depth and 20-24 in. width, also quotation on similar machine for 5½ ft. depth; 1 No. 205 drag line, with bucket, clam shell and drag scraper. About $35,000.

Pipe—Minneapolis, Minn.—K. E. Alexander, purch. agt., City Hall, receiving bids furnishing 12,240 ft. 6 in., Class "C", 7000 ft. 8 in. Class "C" and 2400 ft. 12 in. Class "B" c.i. water pipe. About $25,000.

Timber—Minneapolis, Minn.—H. E. Alexander, city purch. agt., City Hall, receiving bids furnishing 500,000 ft. fir timber of various lengths ranging in size from 2 x 10 to 10 x 12 ft. About $20,000.

Dam—San Francisco, Cal.—Until July 30, by Pub. Wks., building Hetchy Dam, arch gravity type with height 212 ft. above stream level and 72 ft. above and 60,600 cu.yd. excav. above stream level, 298,000 cu.yd. cyclopean masonry and 66,850 cu.yd. concrete not included in masonry; M. M. O'Shaughnessy, city engr.; advertised in this issue.

Dam Etc.—Wolfville, N. S.—Until July 20, by C. H. Wright, c/o Wright & Joudrey, Wolfville, building concrete dam, power house and 2 mi. transmission line. Work involves 150 cu.yd. rock excav., 125 cu.yd. reinforced and 1500 cu.yd. mass concrete. Total cost, $40,000. L. H. Wheaton, Halifax, engr.

Wharf—Okanagan Centre, B. C.—Until Aug. 5, by R. C. Desrochers, secy. dept. pub. wks., Ottawa, Ont., building here.

Landing Float and Approach—Port Essington, B. C.—Until July 31, by R. C. Desrochers, secy. dept. pub., wks., Ottawa, Ont., building here.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Oil Tank—Madison, Me.**—Great Northern Paper Co., let contract building 60 x 91 ft., rein.-con. oil tank, 10½ ft. deep, to T. I. Ellis, 171 Westminister St., Providence, R. I. About $35,000.

★**Cast Iron Pipe—Medford** (Boston P. O.), **Mass.**—Water and Sewer Comn., 52 Swan St., let contract furnishing 6 in. c.i. water pipe, to Warren Fdry. Co., 201 Devonshire St., Boston, $52.50 per ton. Noted June 19.

Cast Iron Pipe—Providence, R. I.—Bd Contr. & Supply let contract furnishing 91 ton c.i. water pipe to U. S. Cast Iron Pipe & Fdry. Co., 1421 Chestnut St., Philadelphia, Pa., involving 400 lengths 6 in., $58.10, and 75 lengths 4 in., $61.10.

Dam and Canal—Black River, N. Y.—See "Industrial Works."

Sand and Paving Blocks—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro., received bids furnishing 6500 cu.yd. sand, from C. A. Myers, $13,000; T. Tuohy, 98 Main St., Flushing, $13,450; W. J. Fitzpatrick $14,130; 80,000 hardwood paving blocks, Alcott Paving Co., $60,800.

★**Bulkhead—Baltimore, Md.**—City let contract building timber bulkhead on McComas St., Spring Gardens, involving 500 lin.ft. wooden piling, to McLean Contg. Co., 1412 Fidelity Bldg., total cost $14,700.

★**Sulphate of Iron—St. Louis, Mo.**—City let contract furnishing 1800 tons of sulphate of iron, more or less, in such quantities as called for during period ending June 30, 1920, to Amer. Steel & Wire Co., 3rd Natl. Bank Bldg., at $14.60 per ton; total, $26,280.

★**Pier and Freight Shed—Astoria, Ore.**—Port of Astoria Comn. let contract building Pier No. 3 and Freight Shed No. 4, to Foundation Co., Astoria, $815,491. Noted June 26.

★**Pier—Manhattan Beach** (Manhattan P. O.), **Cal.**—City let contract building deck and upper works of rein.-con. pleasure pier, to Foundation Co., Holbrook Bldg., San Francisco, $32,690. Noted July 10.

★**Breakwater—Devils Island, N. S.**—Dept. Pub. Wks., Ottawa, Ont., let contract repairing breakwater here, to M. C. Denton & M. A. Condon, Digby. Cost $11,446. Noted June 19.

★**Elevator—Montreal, Que.**—Dominion Flour Mills, Ltd., 300 St. Ambroise St., let contract building 8 concrete elevators, 91 ft. high, to Feglos Bellows Eng. Co., Ft. William, Ont. About $160,000.

★**Dam—Owen Sound, Ont.**—Town let contract building rein.-con. dam, power house and earth fill, to W. M. Fletcher & Co., 151 Bloor St. W., Toronto. About $64,700.